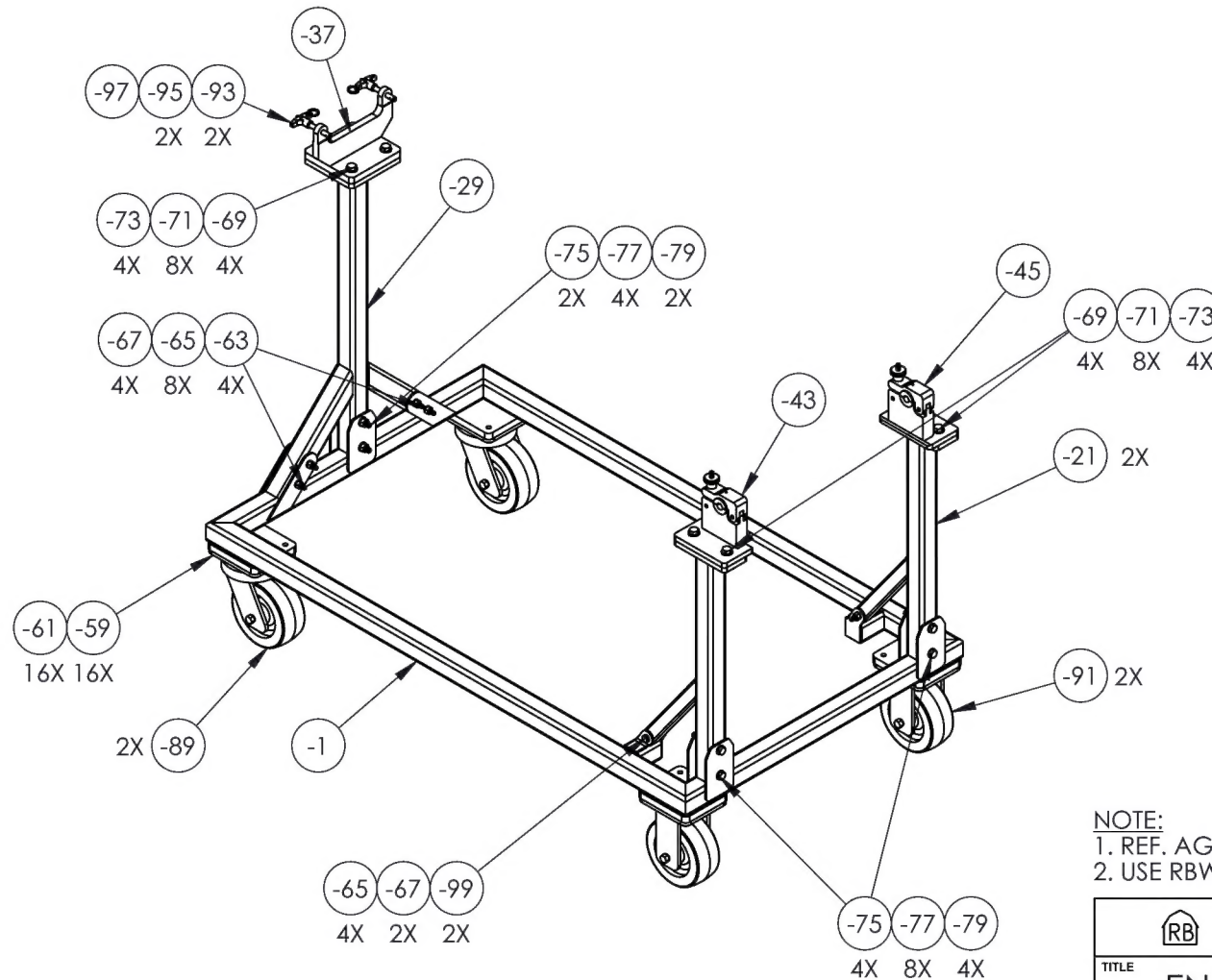


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



UNDER REVIEW

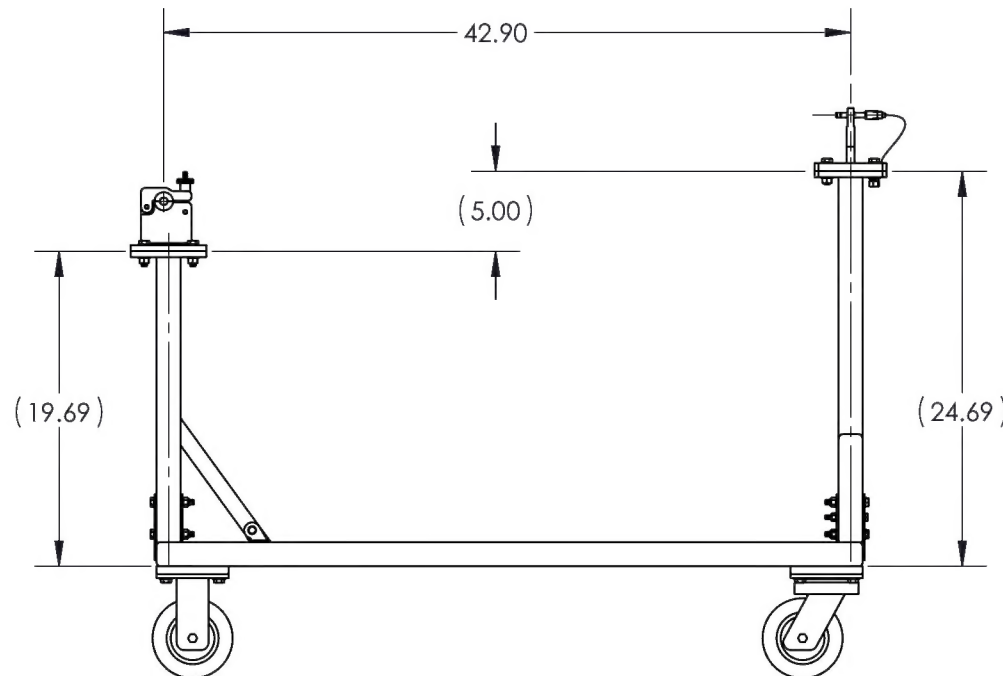
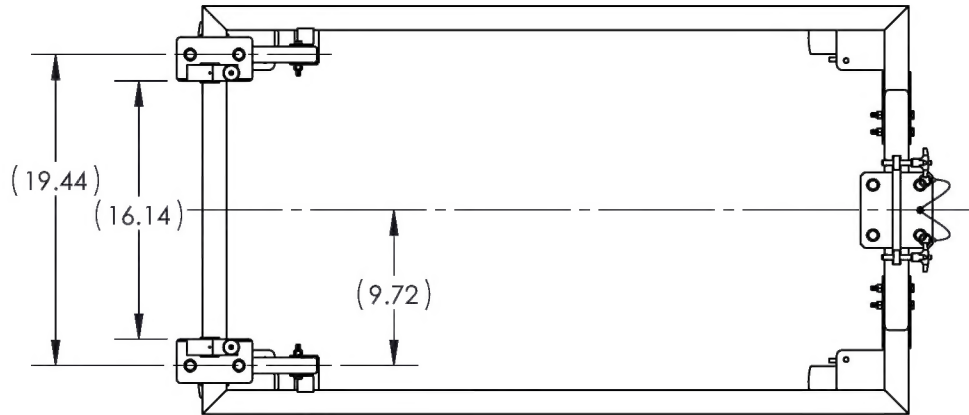
URF 19-998 19.10.26 (VM)

NOTE:
 1. REF. AGUSTA T/N: 109-3600-35-101.
 2. USE RBW109-3600-35-101-F FIXTURE TO CHECK.

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101	REV
MAT'L 	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
ANGLES ± 5°	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:12	DATE 2/24/2014
SHEET 1 OF 32	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



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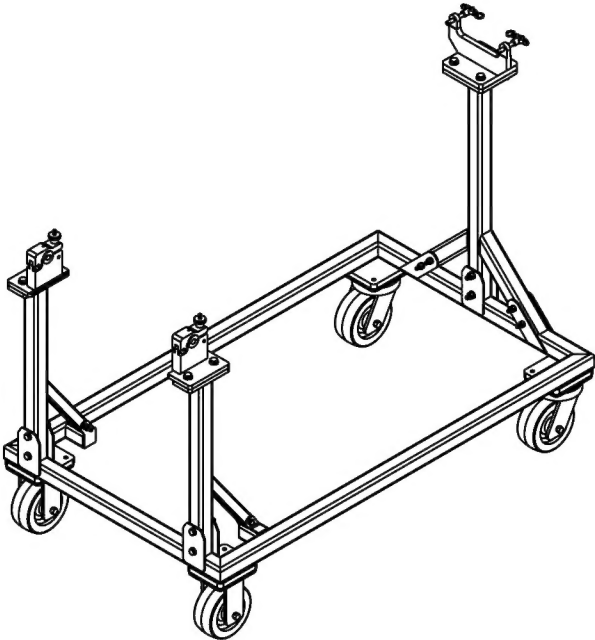
NOTE:
ALL TANGENT LINES REMOVED FOR CLARITY.

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW109, 119
SCALE 1:12	DATE 2/24/2014
	SHEET 2 OF 32

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
							X		-1	1	BOTTOM WELDMENT			4
							2		-3		BRACE MOUNT	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 2-1/8	5
							2		-5		SIDE TUBE	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 44-1/4	6
							2		-7		END TUBE	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 25-5/8	7
							4		-9		BRACE PLATE	A36 P&O	11 GA. X 1-5/8 X 5-1/2	8
							6		-11		POST PLATE	A36 P&O	11 GA. 2-5/8 X 4-1/4	9
							2		-13		BRACE BRACKET	A36 P&O	11 GA. X 1-7/8 X 2-3/4	10
							1		-15		BRACE ANGLE BRACKET	1018	11 GA. X 1-3/8 X 2-1/2	11
							1		-17		BRACE ANGLE BRACKET	1018	11 GA. X 1-3/8 X 2-1/2	12
							4		-19		WHEEL PLATE	A36 P&O	1/2 X 4-1/8 X 4-5/8	13
						X			-21	2	REAR POST WELDMENT			14
						1			-23		REAR TOP PLATE	A36 P&O	3/8 X 2-1/4 X 4-7/8	15
						1			-25		REAR POST	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 18	16
						1			-27		REAR BRACE	STEEL SQ. TUBE	1 X 1 X .120 WALL X 9-3/4	17
					X				-29	1	FRONT POST WELDMENT			18
					1				-31		FRONT POST	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 23	19
					2				-33		FRONT BRACE	STEEL SQ. TUBE	1-1/2 X 1-1/2 X .120 WALL X 9-5/8	20
					1				-35		FRONT TOP PLATE	A36 P&O	3/8 X 4-5/8 X 4-7/8	21
									-37	1	FRONT MOUNT WELDMENT			22
					1				-39		FRONT MOUNT PLATE	A36 P&O	1/2 X 4-5/8 X 4-7/8	23
					1				-41		MOTOR MOUNT PLATE	A36 P&O	1/2 X 3-7/8 X 6-7/8	24
				X					-43	1	RIGHT REAR MOTOR MOUNT ASSEMBLY			25
		X							-45	1	LEFT REAR MOTOR MOUNT ASSEMBLY			26
	X			1					-47		RIGHT REAR MOUNT WELDMENT			27
1	1								-49		REAR MOUNT PLATE	A36 P&O	3/8 X 2-7/8 X 4-7/8	28
1	1								-51		REAR MOUNT SADDLE	A36 P&O	1 X 2-3/4 X 3-1/4	29
X									-53		LEFT REAR MOUNT WELDMENT			30
									-55		REAR MOUNT CAP	A36 P&O	1 X 1-5/8 X 3-1/4	31
									-57		BUSHING	WHITE DELRIN	Ø1-1/4 X 1-5/16	32
								B/O	-59	16	HEX HEAD CAP SCREW	STEEL, PLATED	3/8-16 UNC X 5/8 MCMaster-CARR #92602A621	1
								B/O	-61	16	FLAT WASHER	STEEL, PLATED	3/8 I.D. MCMaster-CARR #91083A031	1
								B/O	-63	4	HEX HEAD CAP SCREW	STEEL, PLATED	1/4-20 UNC X 2-1/2 MCMaster-CARR #91257A552	1
								B/O	-65	12	FLAT WASHER	STEEL, PLATED	1/4 I.D. MCMaster-CARR #91090A105	1
								B/O	-67	6	NYLON INSERT HEX NUT	STEEL, PLATED	1/4-20 UNC MCMaster-CARR #95615A120	1
								B/O	-69	8	HEX HEAD CAP SCREW	STEEL, PLATED	3/8-16 UNC X 1-3/8 MCMaster-CARR #92620A627	1
								B/O	-71	16	FLAT WASHER	STEEL, PLATED	Ø3/8 I.D. MCMaster-CARR #94744A265	1
								B/O	-73	8	HEX NUT	STEEL, PLATED	3/8-16 UNC MCMaster-CARR #95462A031	1
								B/O	-75	6	HEX HEAD CAP SCREW	STEEL, PLATED	5/16-18 UNC X 2-1/2 MCMaster-CARR #91257A593	1
								B/O	-77	12	FLAT WASHER	STEEL, PLATED	Ø5/16 I.D. MCMaster-CARR #91090A110	1
								B/O	-79	6	NYLON INSERT HEX NUT	STEEL, PLATED	5/16-18 UNC MCMaster-CARR #95615A160	1
								B/O	-81		DOWEL PIN	STEEL, PLATED	Ø1/4 X 7/8 MCMaster-CARR #98381A541	25 & 26
								B/O	-83		SOCKET HEAD CAP SCREW	STEEL, BLACK OXIDE	#6-32 UNC X 1/4 MCMaster-CARR #92220A141	25 & 26
								B/O	-85		ROD END	STEEL, BLACK OXIDE	1/4-20 UNC X 2-1/2 MCMaster-CARR #59895K16	25 & 26
								B/O	-87		KNOB	STEEL, BLACK OXIDE	Ø1 X 1/4-20 UNC MCMaster-CARR #6121K311	25 & 26
								B/O	-89	2	SWIVEL CASTER WITH BRAKES	HARD RUBBER ON IRON	Ø5 WHEEL BASSICK #CDS50156TZ-ROI81 (KK)-TB	1
								B/O	-91	2	RIGID CASTER WITH BRAKES	HARD RUBBER ON IRON	Ø5 WHEEL BASSICK #CPR50156TZ-ROI81 (KK)-TB	1
								B/O	-93	2	T-HANDLE QUICK RELEASE PIN	S.S.	Ø5/16 X 1-1/2 USABLE MCMaster-CARR #90293A212	1
								B/O	-95	2	LANYARD, LOOP/EYE	S.S. COATED	6in. MCMaster-CARR #30345T28	1
								B/O	-97	1	PAN HEAD MACHINE SCREW, PHILIPS	STEEL	10-32 X 3/8 MCMaster-CARR #90272A827	1
								B/O	-99	2	HEX HEAD CAP SCREW	STEEL, PLATED	1/4-20 UNC X 2 MCMaster-CARR #91247A550	1
ASSY -53	ASSY -47	ASSY -45	ASSY -43	ASSY -37	ASSY -29	ASSY -21	ASSY -1							



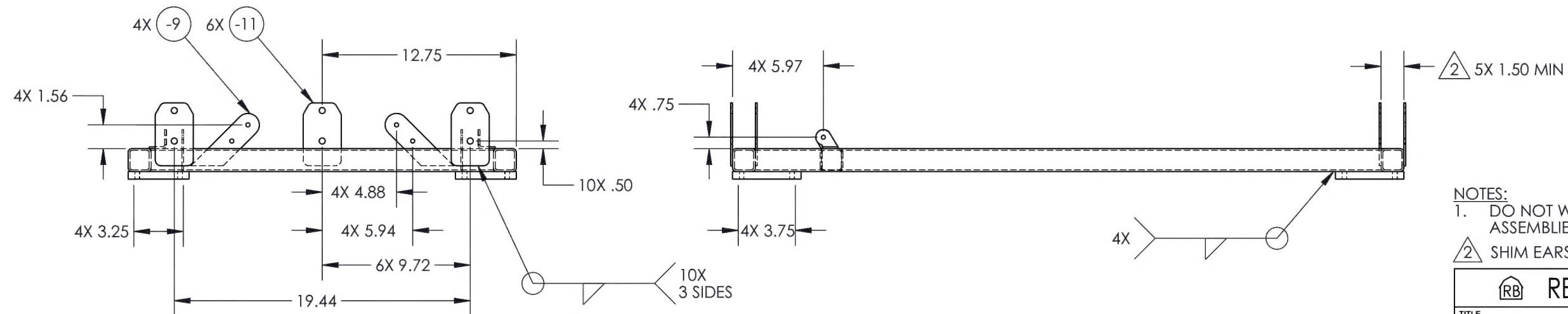
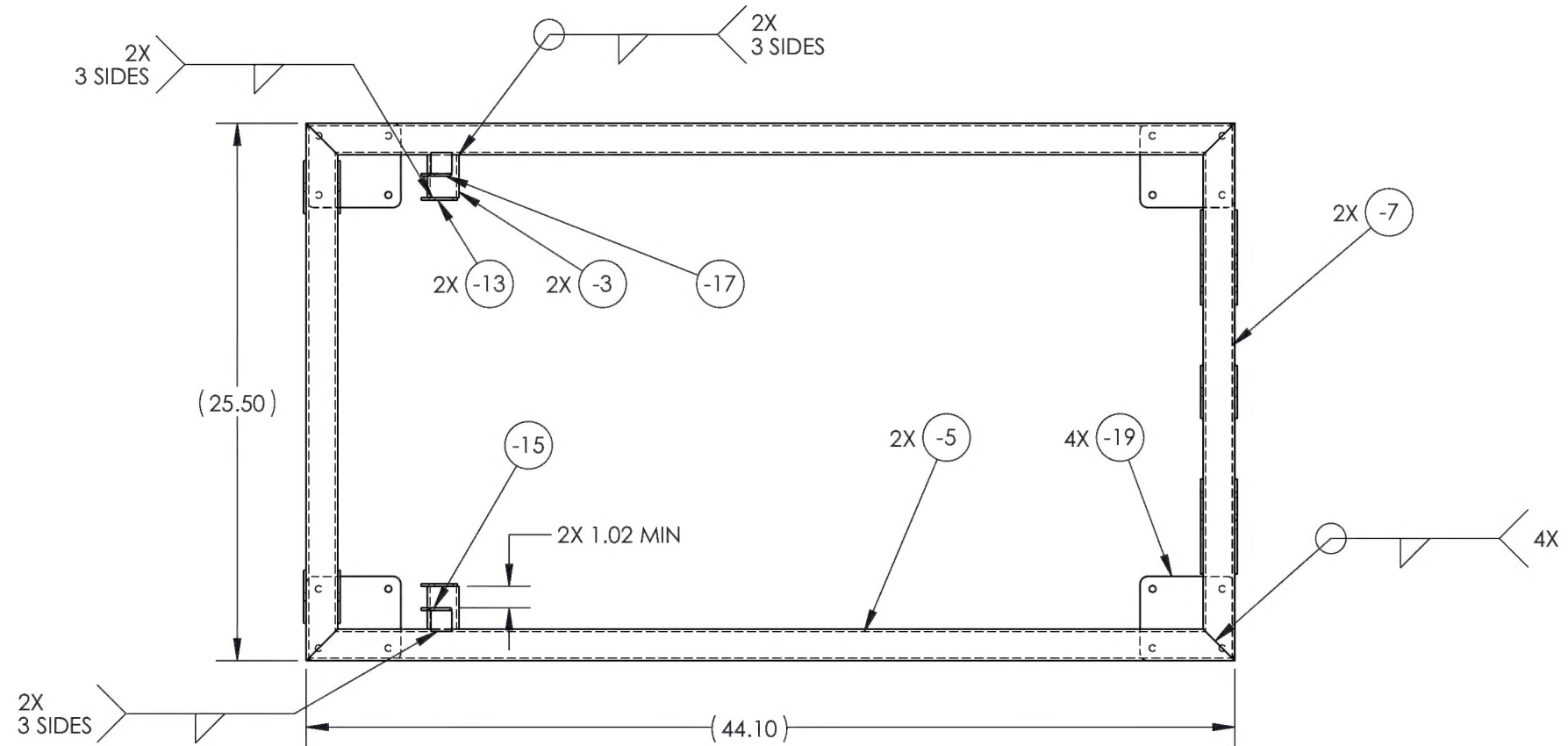
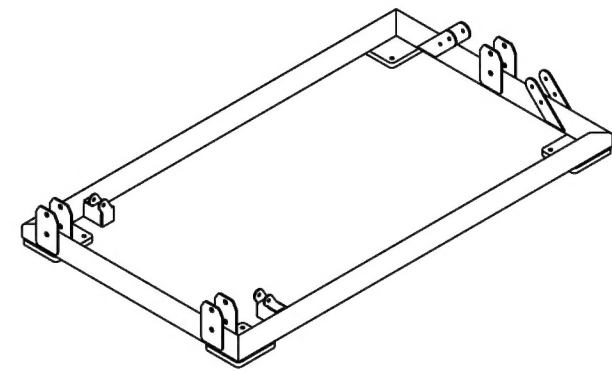
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RED BARN MACHINE			
TITLE			
ENGINE SUPPORT TROLLEY			
DWG NO.			REV
RBW109-3600-35-101			
MAT'L		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		APPROVED	<i>D Weid</i>
		TREAT	
		FINISH	
		SPEC	
		USED ON MODEL	
		AW109, 119	
SCALE 1:16		DATE 2/24/2014	SHEET 3 OF 32

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
APPROVED			



- NOTES:
- DO NOT WELD TOP SURFACES WHERE OTHER ASSEMBLIES ARE TO BE BOLTED.
 - SHIM EARS .015 WIDER THAN TUBE.

UNDER REVIEW

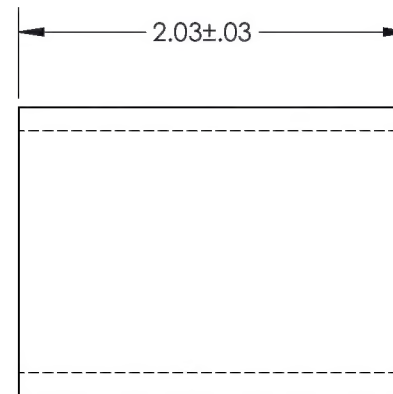
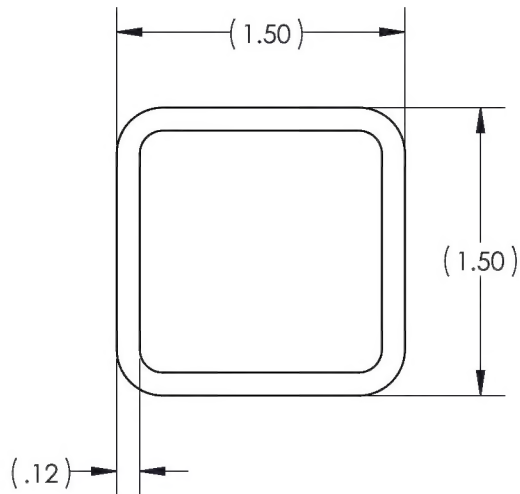
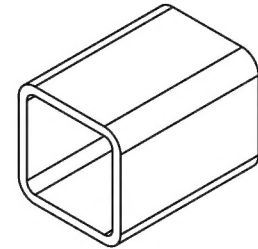
URF 19-998 19.10.26 (VM)

(-1)
BOTTOM WELDMENT

RED BARN MACHINE			
TITLE			
ENGINE SUPPORT TROLLEY			
DWG NO.			REV
RBW109-3600-35-101-1			
MAT'L		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		POWDER COAT YELLOW	
1. BREAK ALL SHARP EDGES .015 x 45°		SPEC	
OR .015R		FED #13538	
2. DIMENSIONAL LIMITS APPLY AFTER		USED ON MODEL	
PLATING		AW109, 119	
SCALE	1:8	DATE	2/26/2014
		SHEET 4 OF 32	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED




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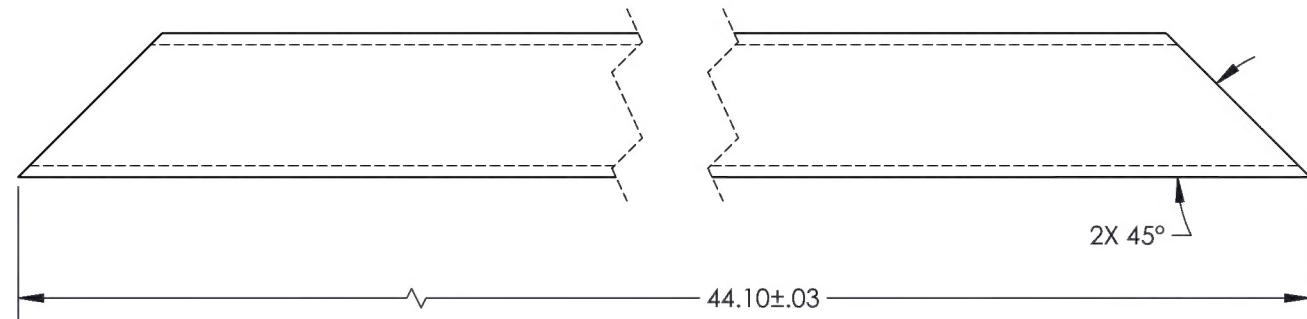
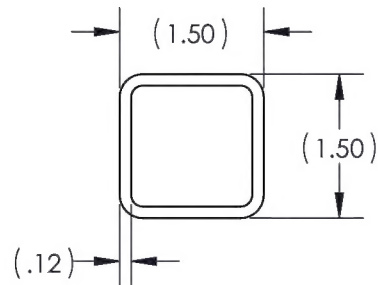
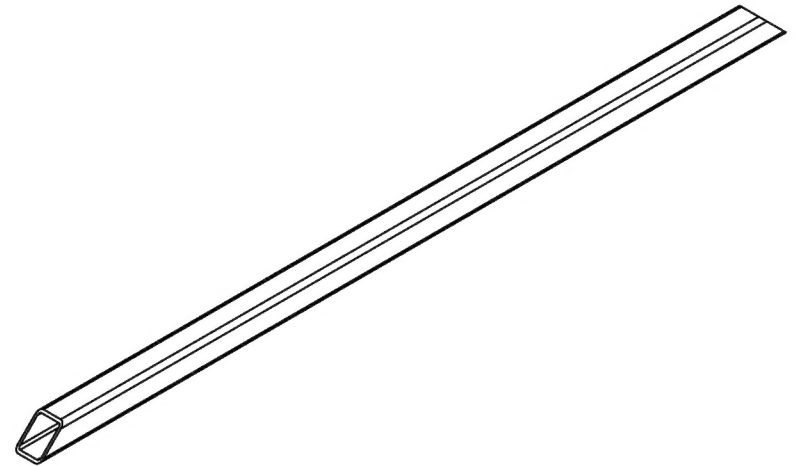
③

BRACE MOUNT

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-3	REV
MAT'L STEEL SQ. TUBE	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	HEAT TREAT FINISH SEE -1 WELDMENT SPEC
SCALE 1:1	DATE 2/24/2014
USED ON MODEL AW109, 119	SHEET 5 OF 32

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



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(-5)

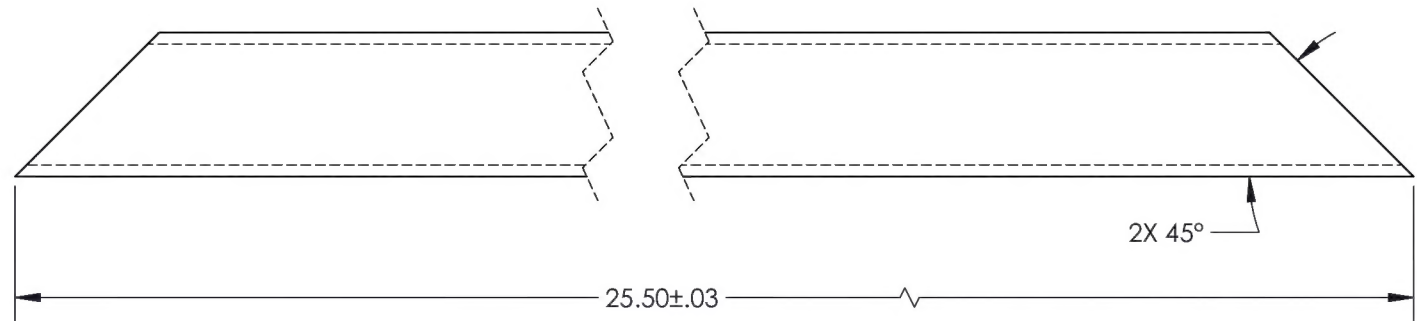
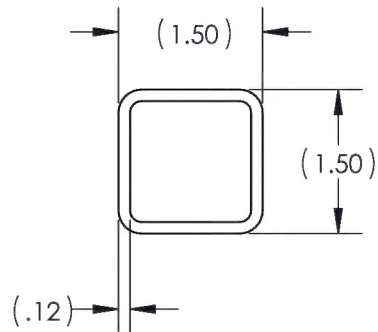
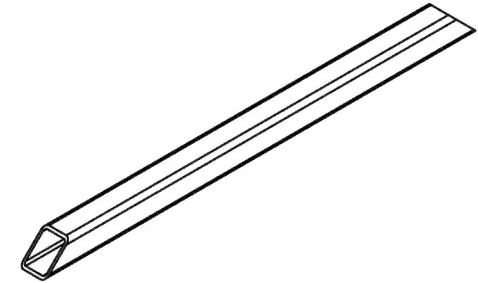
SIDE TUBE

 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-5
MAT'L	STEEL SQ. TUBE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/24/2014
SHEET 6 OF 32	

DRAWN BY: DUERFELDT	
APPROVED	<i>D Weil</i>
HEAT TREAT	
FINISH	SEE -1 WELDMENT
SPEC	
USED ON MODEL	
AW109, 119	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED




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(-7)

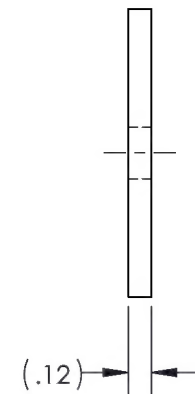
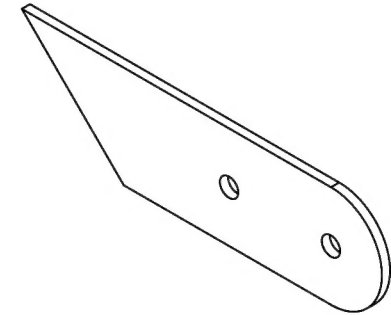
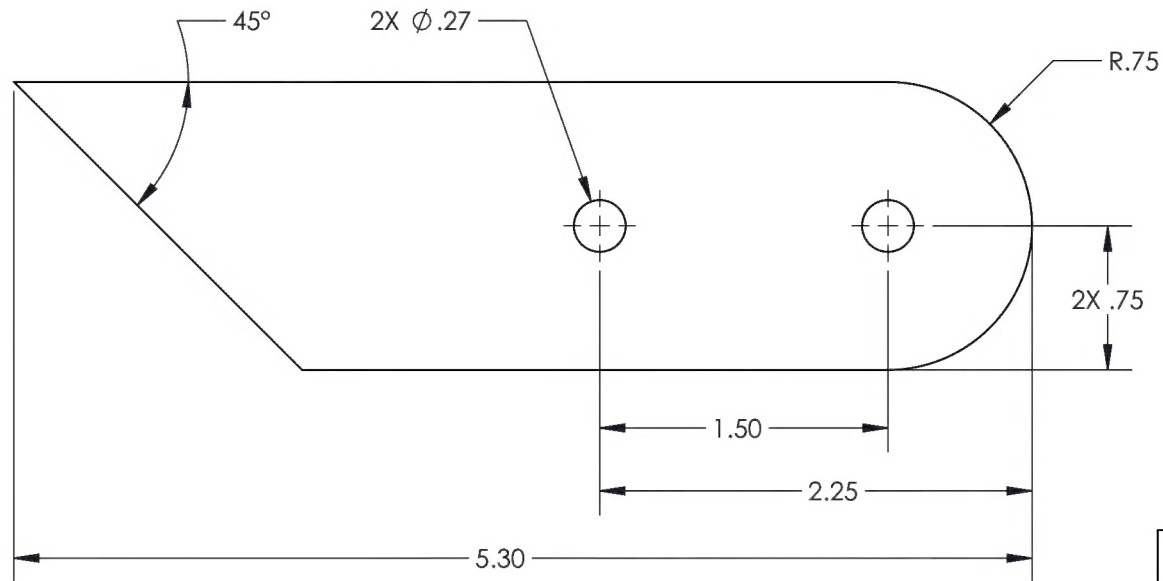
END TUBE

 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-7
MAT'L	STEEL SQ. TUBE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/24/2014
SHEET 7 OF 32	

DRAWN BY: DUERFELDT	
APPROVED	<i>D Weil</i>
HEAT	
TREAT	
FINISH	SEE -1 WELDMENT
SPEC	
USED ON MODEL	
AW109, 119	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-9)
BRACE PLATE

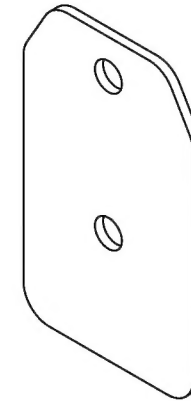
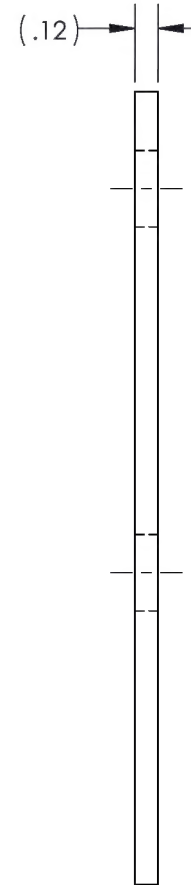
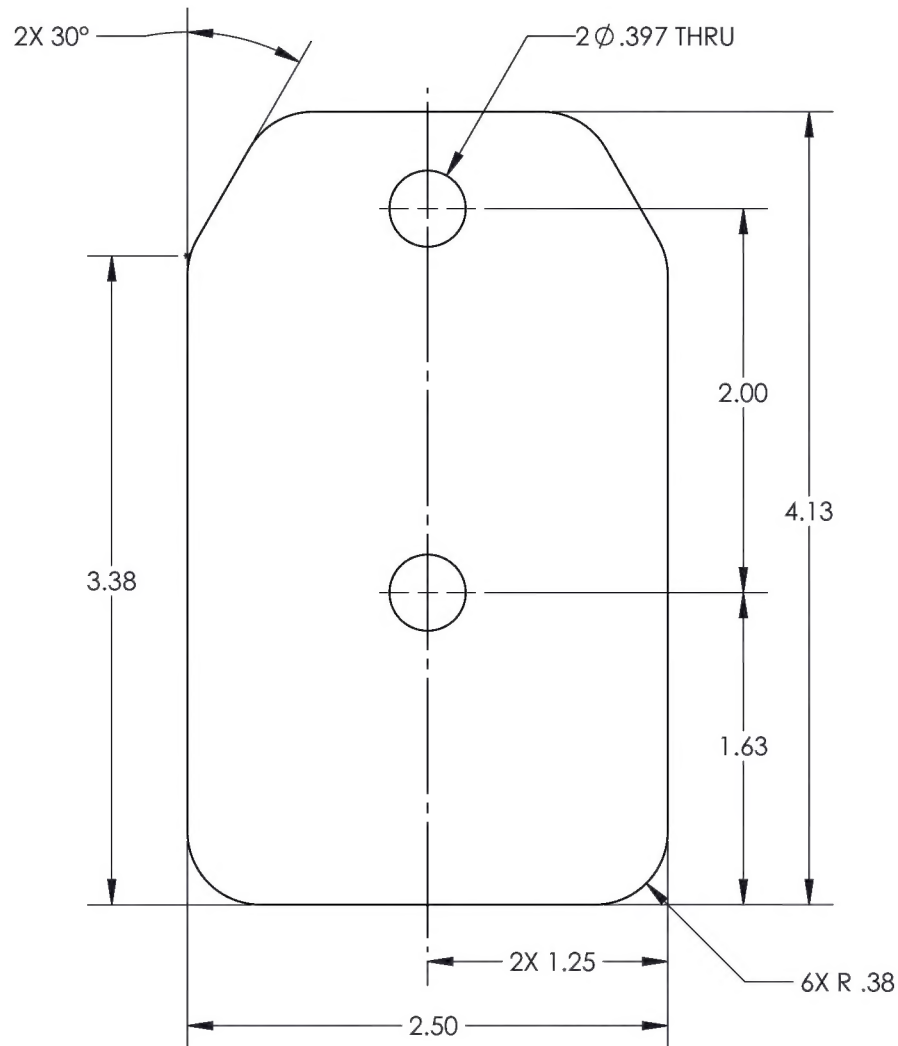
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URF 19-998 19.10.26 (VM)

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-9	REV
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 2/24/2014
SHEET 8 OF 32	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



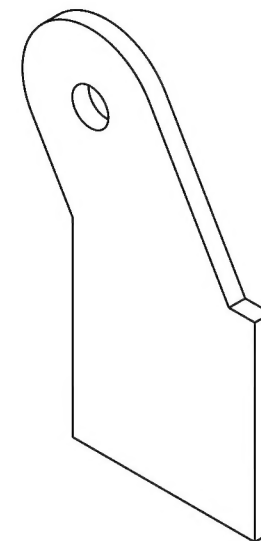
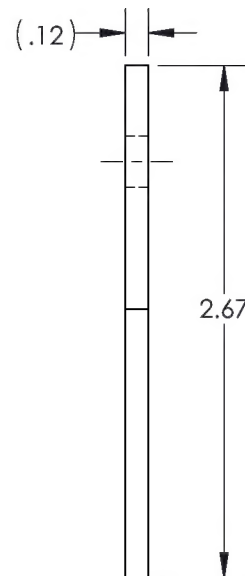
UNDER REVIEW

URF 19-998 19.10.26 (VM)

(-11)
POST PLATE


 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	REV
RBW109-3600-35-101-11	
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:1	DATE 2/24/2014
SHEET 9 OF 32	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



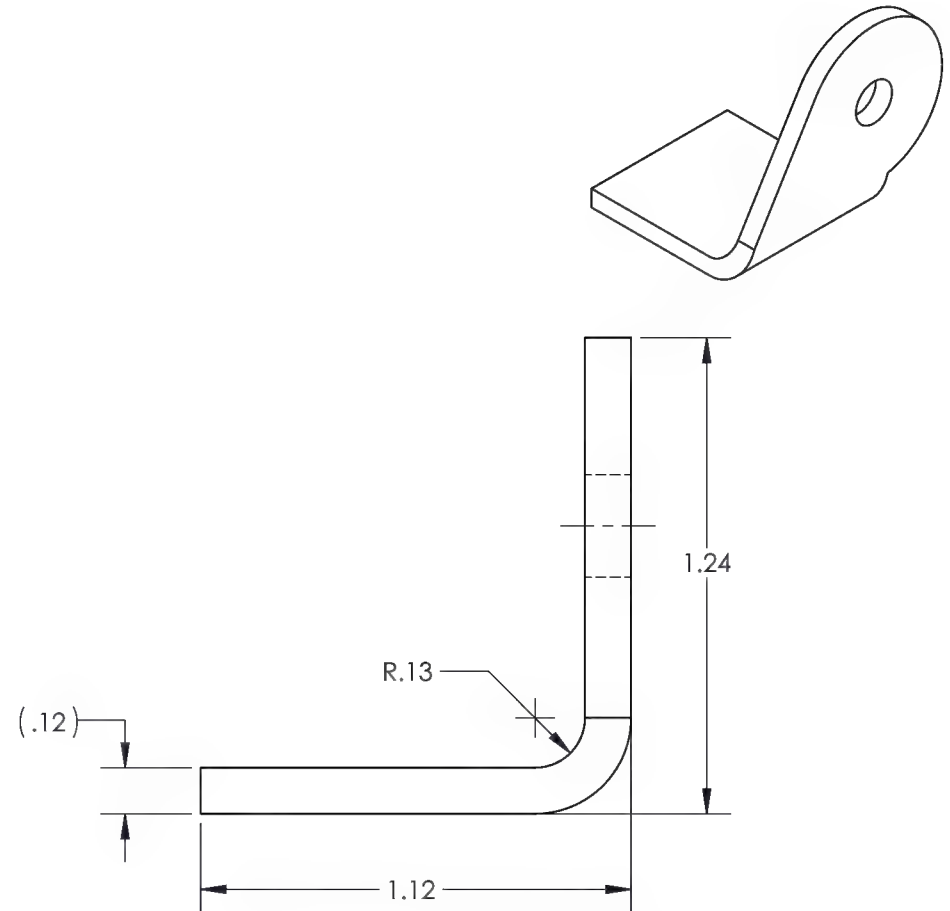
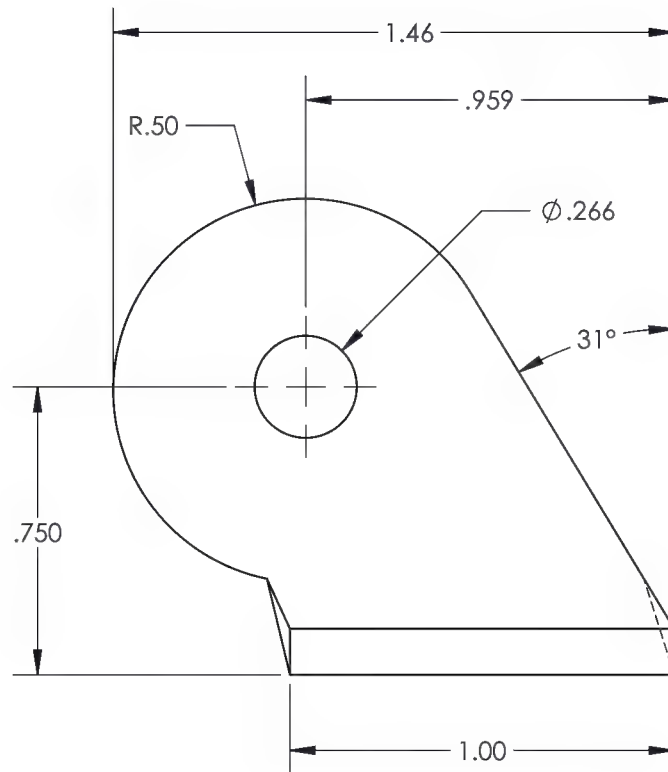
URF 19-998 19.10.26 (VM)

BRACE BRACKET

		<h1>RED BARN MACHINE</h1>	
<h2>ENGINE SUPPORT TROLLEY</h2>			
DWG NO. RBW109-3600-35-101-13			REV
MAT'L A36 P&O		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weill</i>	
.XXX \pm .005	FRACTIONS \pm 1/32	REAT	
.XX \pm .01	ANGLES \pm .5°	TREAT	
.X \pm .1		FINISH SEE -1 WELDMENT	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW109, 119	
SCALE 1:1	DATE 2/24/2014	SHEET 10 OF 32	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



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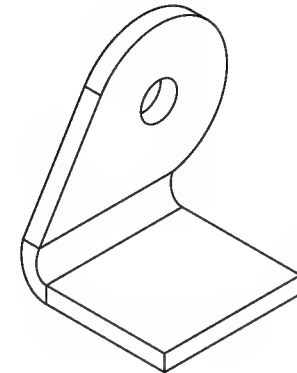
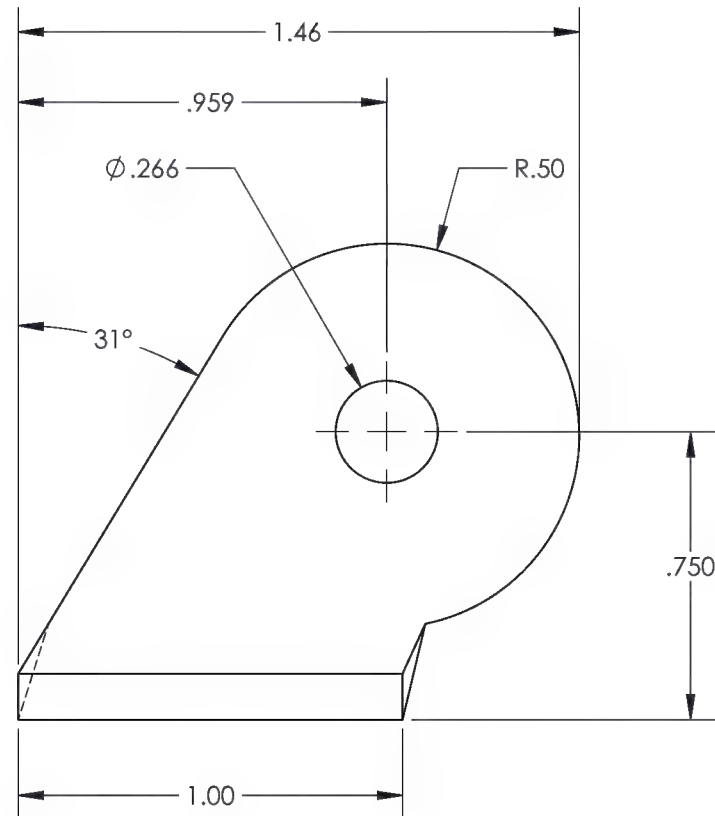
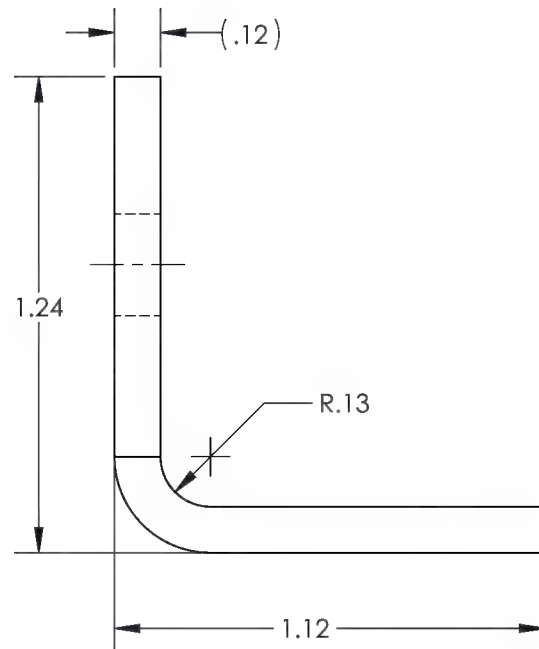
(-15)

BRACE ANGLE BRACKET

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
TITLE	
DWG NO.	RBW109-3600-35-101-15
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 2:1	DATE 2/24/2014
SHEET 11 OF 32	

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UNDER REVIEW

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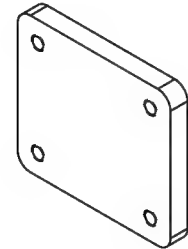
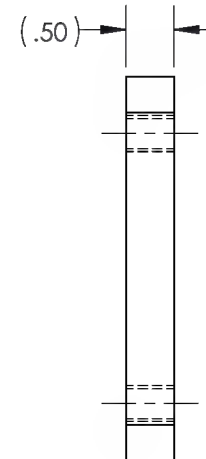
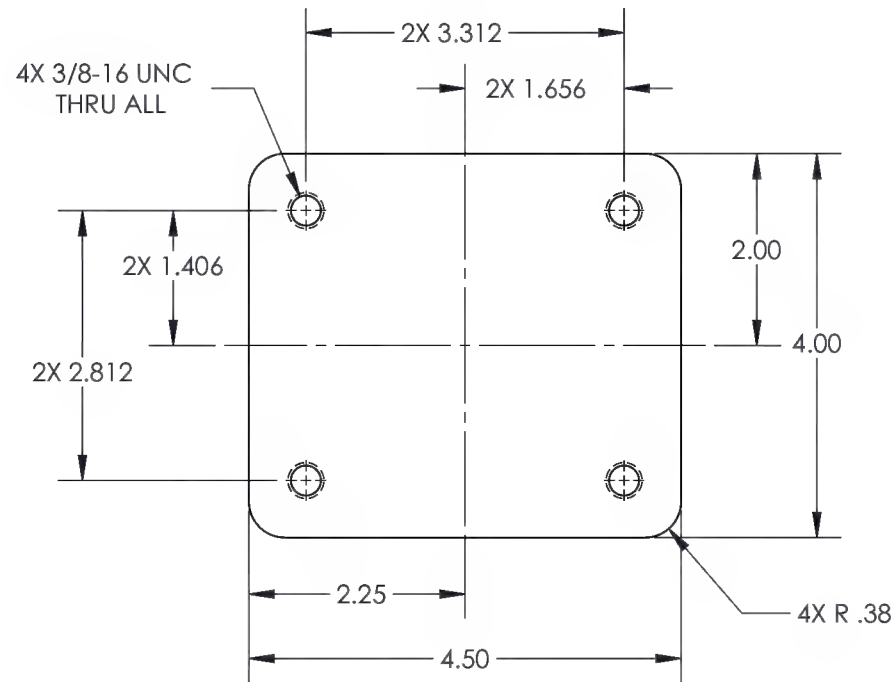
(-17)

BRACE ANGLE BRACKET

 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-17
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010	FRACTIONS ± 1/32
.XX ± .03	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 2:1	DATE 2/24/2014
SHEET 12 OF 32	

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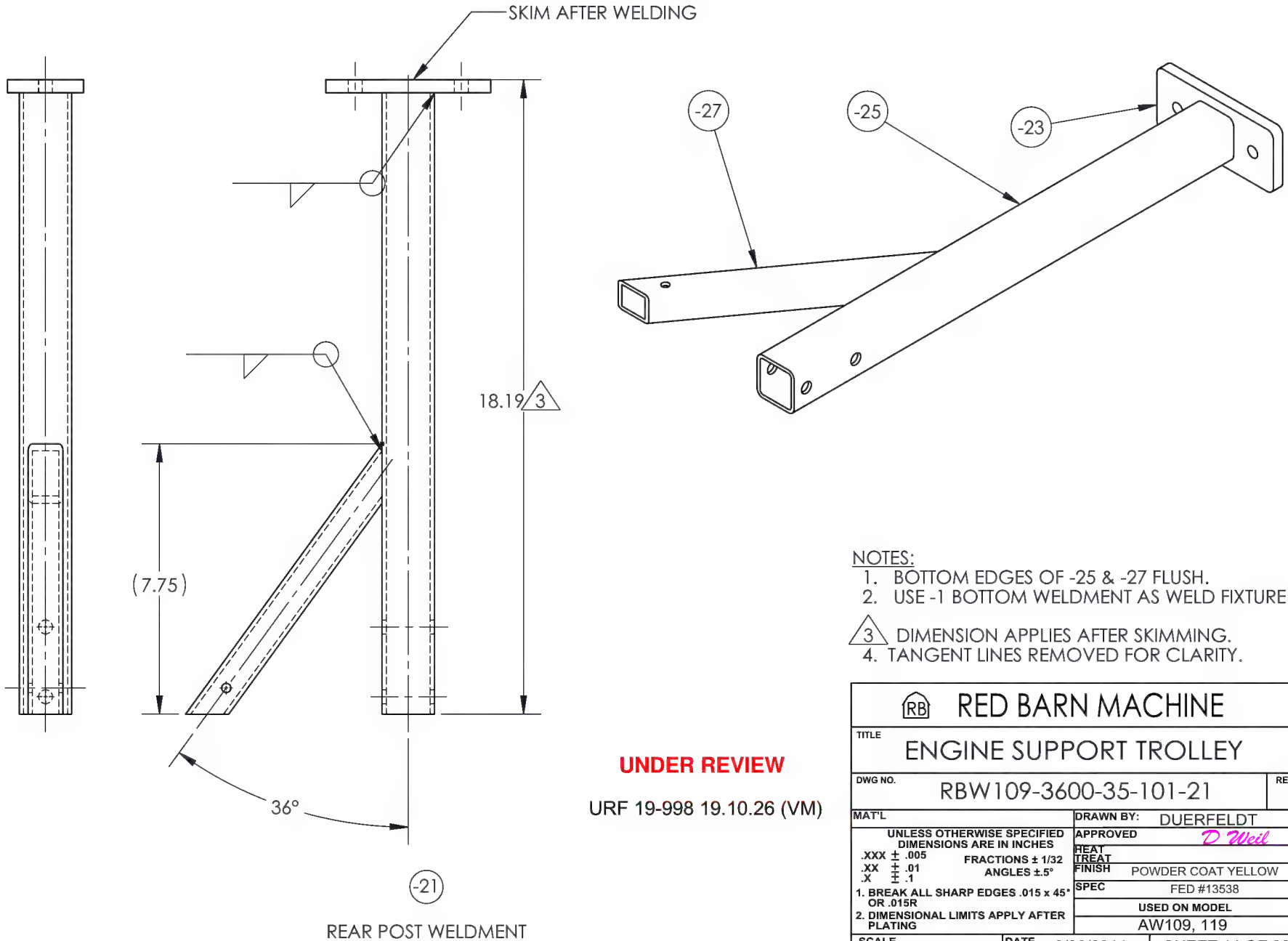
-19

WHEEL PLATE

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-19	REV
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH SEE -1 WELDMENT	
SPEC	
USED ON MODEL AW109, 119	
SCALE 1:2	DATE 2/24/2014
SHEET 13 OF 32	

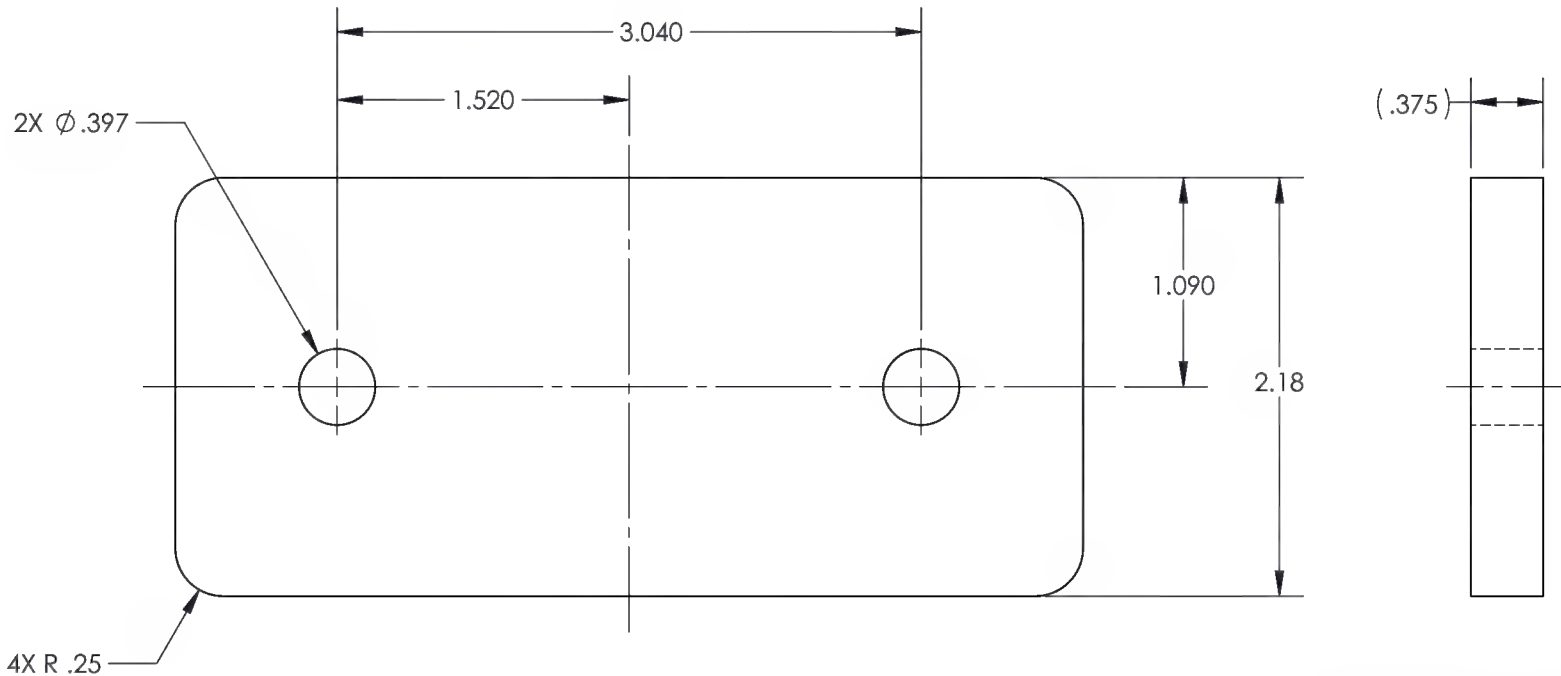
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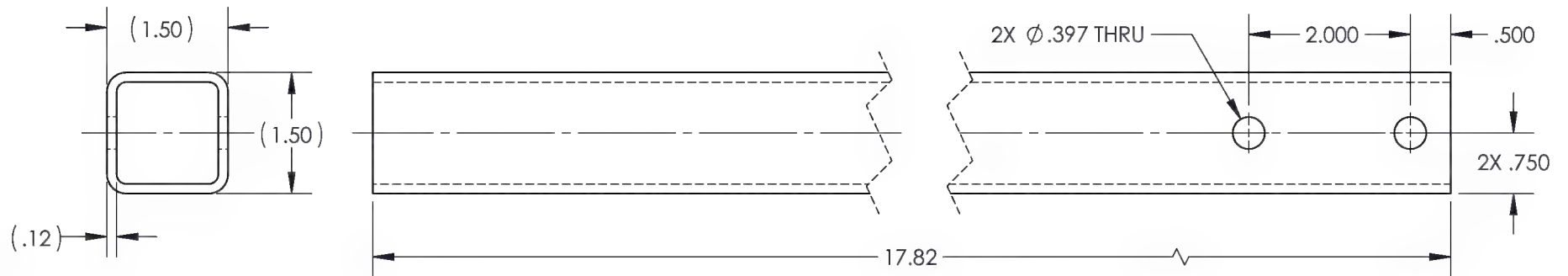
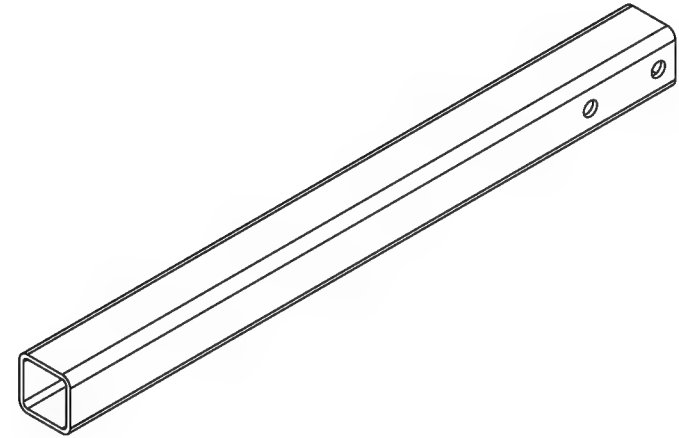
(-23)

REAR TOP PLATE

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-23
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -21 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	AW109, 119
DATE 2/24/2014	SHEET 15 OF 32

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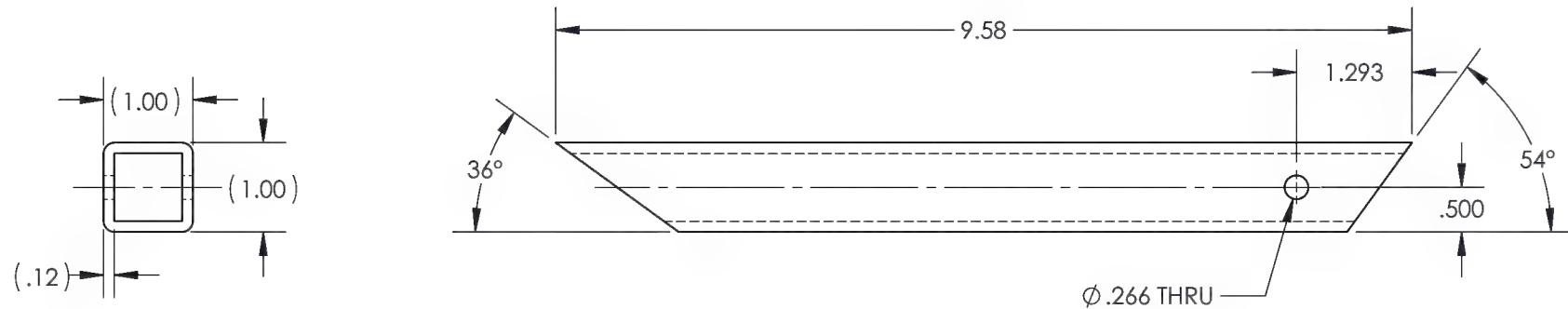
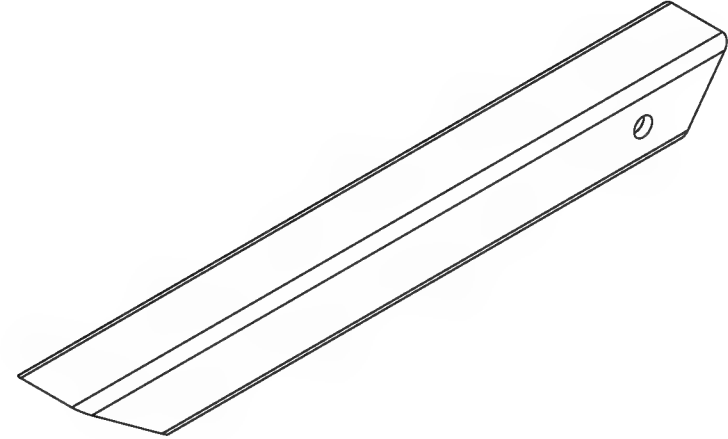
(-25)

REAR POST

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-25	REV
MAT'L STEEL SQ. TUBE	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -21 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:2	DATE 2/24/2014
SHEET 16 OF 32	

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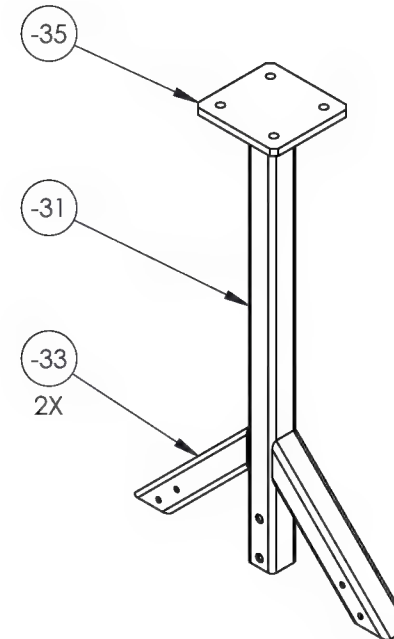
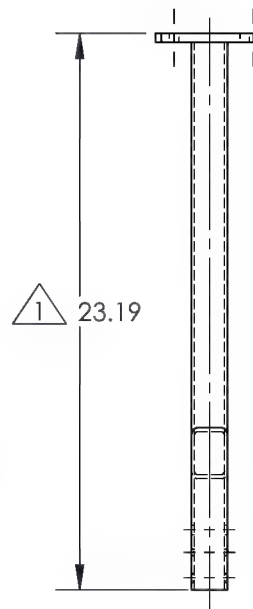
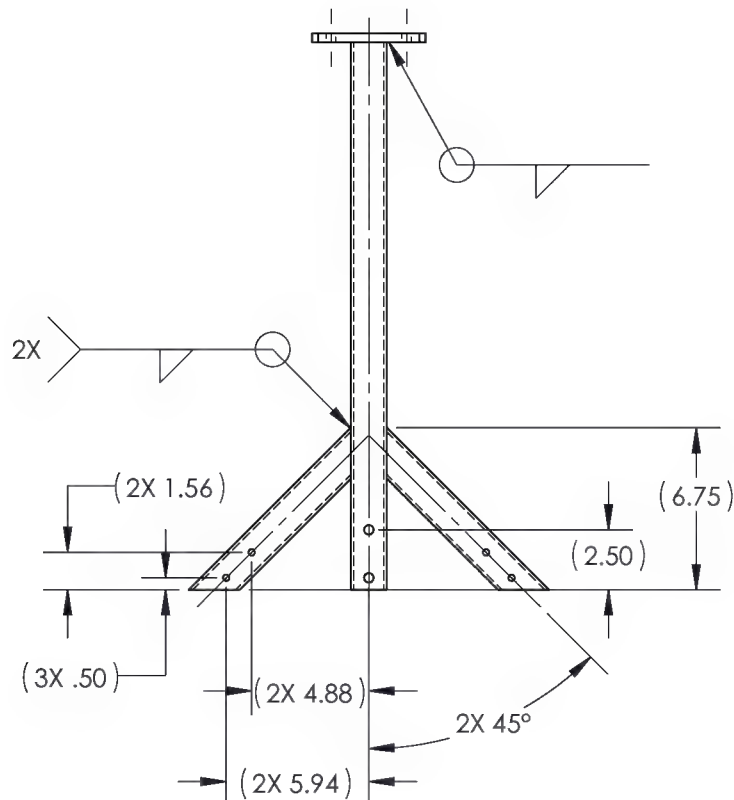
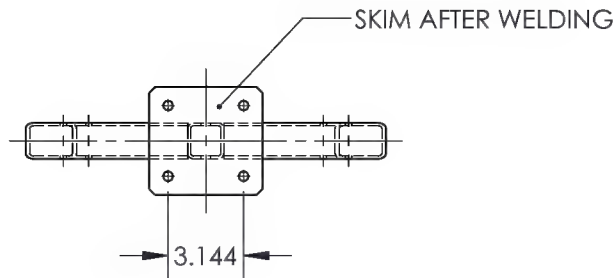
(-27)

REAR BRACE

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-27	REV
MAT'L STEEL SQ. TUBE	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -21 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW109, 119
SCALE 1:2	DATE 2/24/2014
	SHEET 17 OF 32

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NOTES:

1. DIMENSION APPLIES AFTER SKIMMING.
2. USE -1 BOTTOM WELDMENT AS A WELD FIXTURE.

UNDER REVIEW

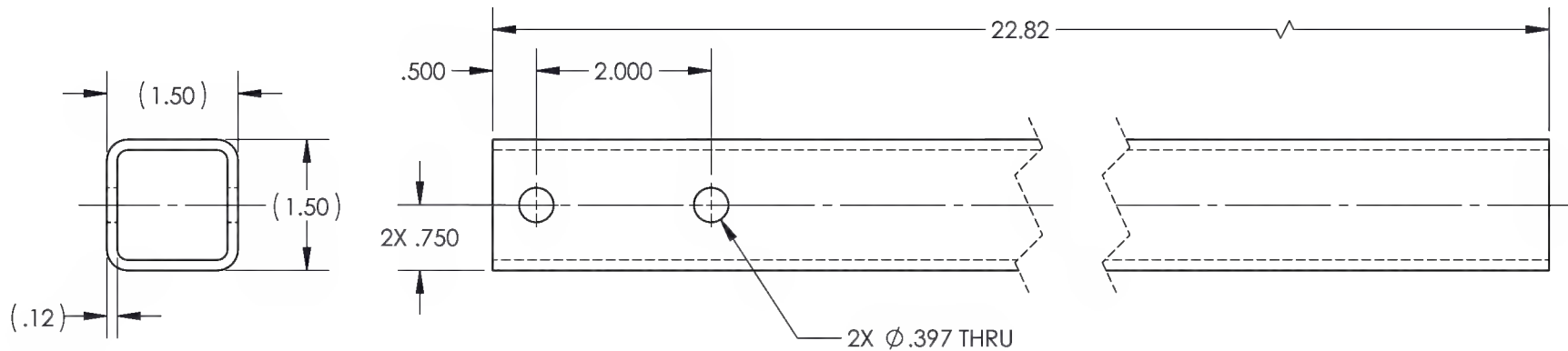
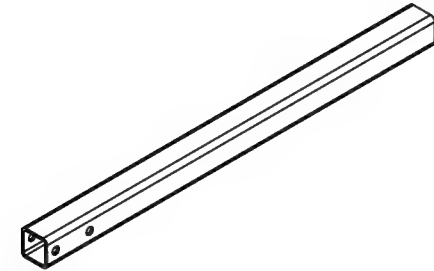
URF 19-998 19.10.26 (VM)

FRONT POST WELDMENT

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-29	REV
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	POWDER COAT YELLOW
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FED #13538
SCALE 1:8	USED ON MODEL
DATE 2/26/2014	AW109, 119
	SHEET 18 OF 32

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UNDER REVIEW

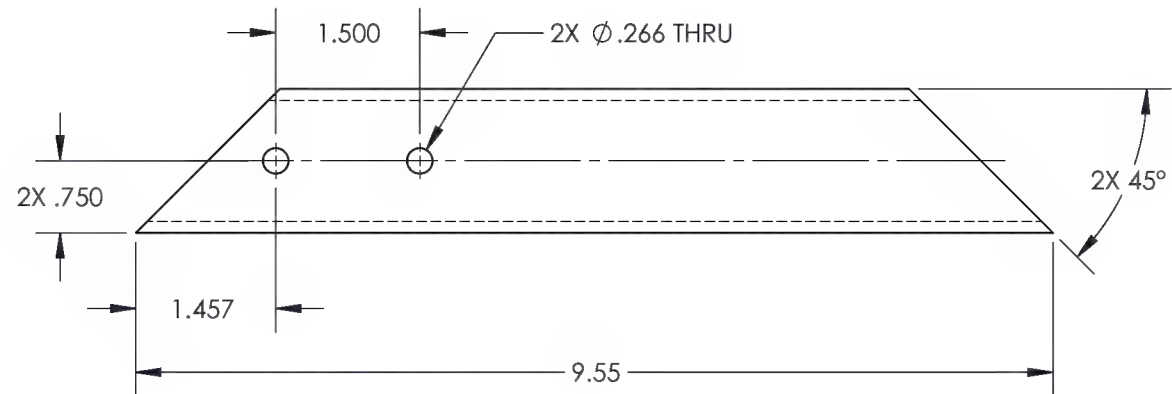
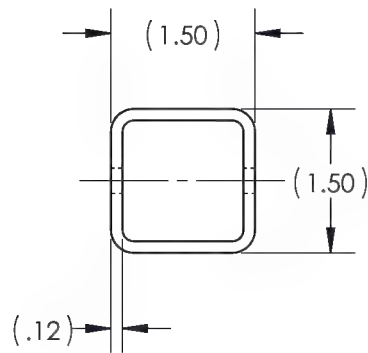
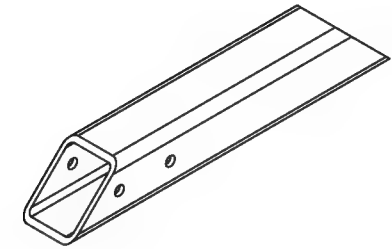
URF 19-998 19.10.26 (VM)

(-31)
FRONT POST

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-31	REV
MAT'L STEEL SQ. TUBE	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -29 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:2	DATE 2/24/2014
SHEET 19 OF 32	

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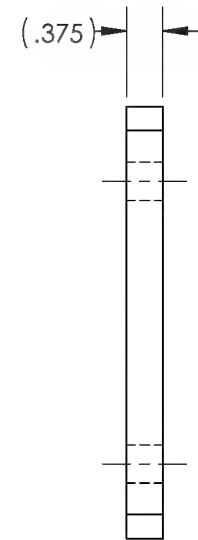
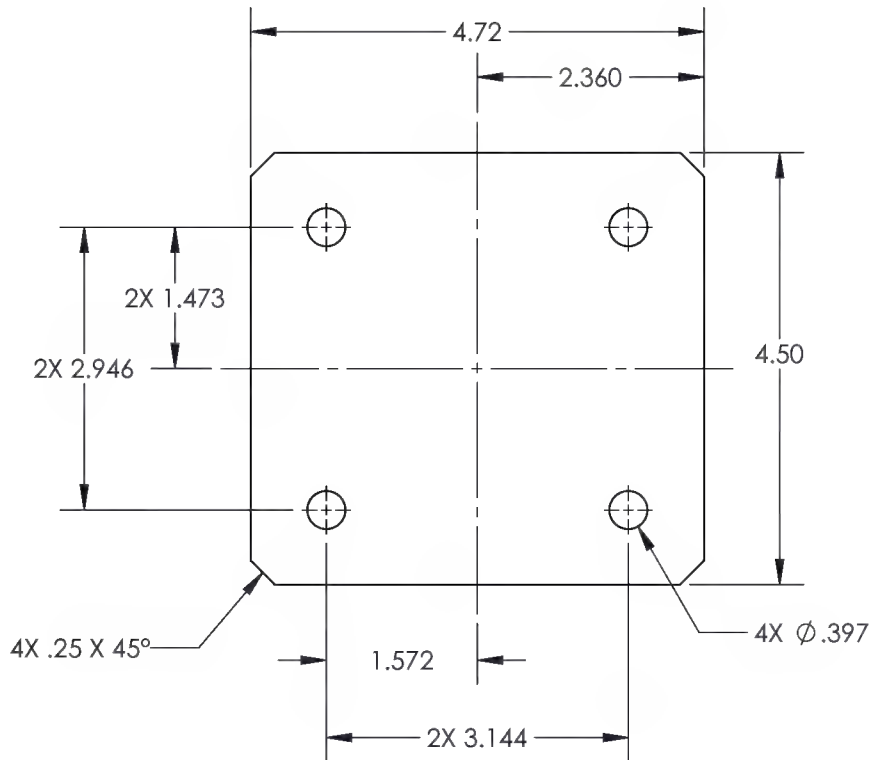
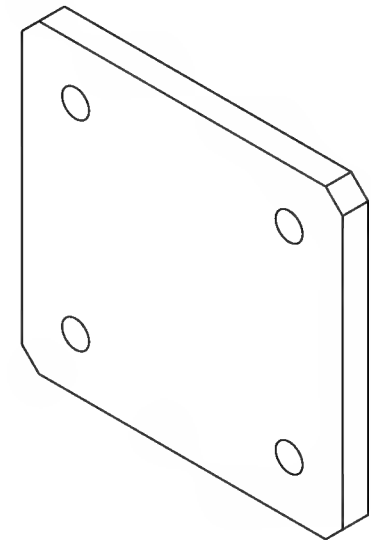
(-33)

FRONT BRACE

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-33	REV
MAT'L STEEL SQ. TUBE	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -29 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW109, 119
SCALE 1:2	DATE 2/24/2014
SHEET 20 OF 32	

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(-35)

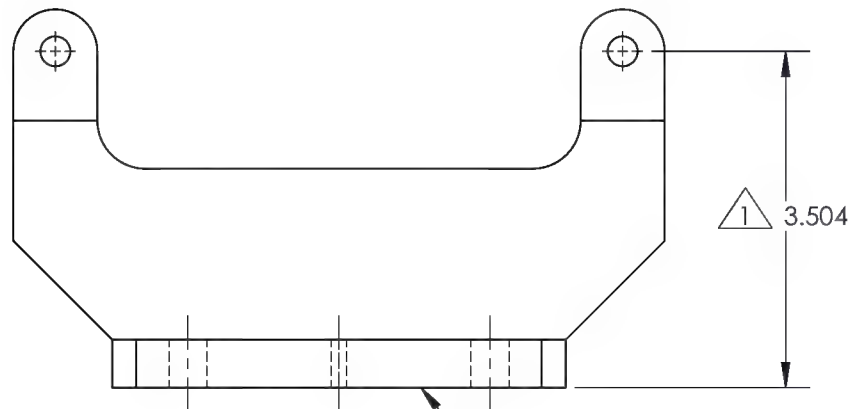
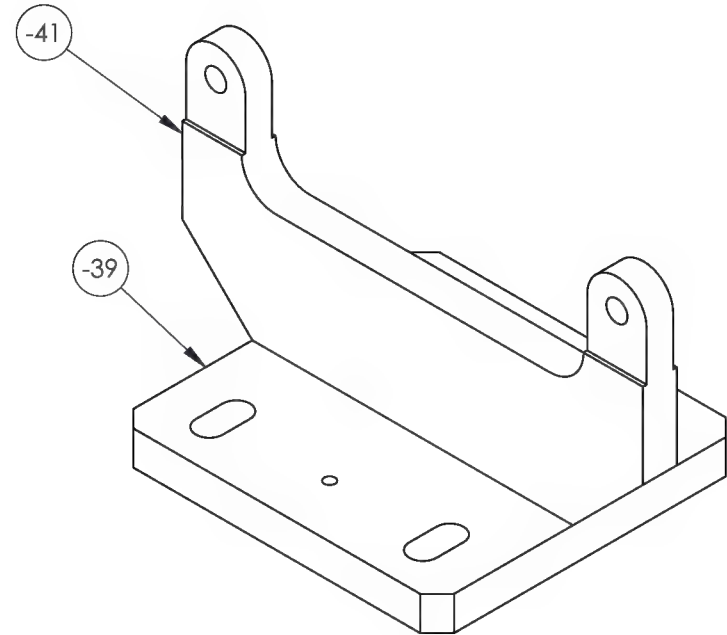
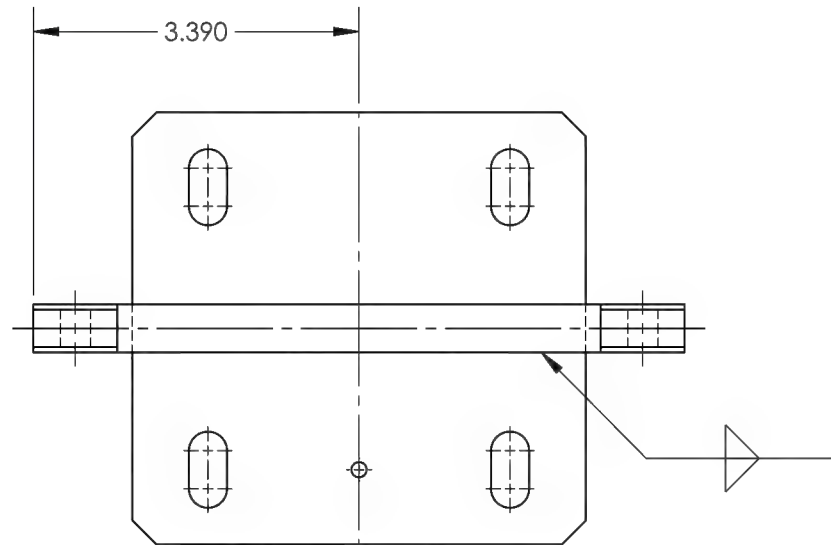
FRONT TOP PLATE

 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-35
MAT'L	A36 P&O
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/24/2014
SHEET 21 OF 32	

DRAWN BY:	DUERFELDT
APPROVED	<i>D Weil</i>
HEAT	
TREAT	
FINISH	SEE -29 WELDMENT
SPEC	
USED ON MODEL	
	AW109, 119

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SKIM AFTER WELDING

(-37)

FRONT MOUNT WELDMENT

UNDER REVIEW

URF 19-998 19.10.26 (VM)

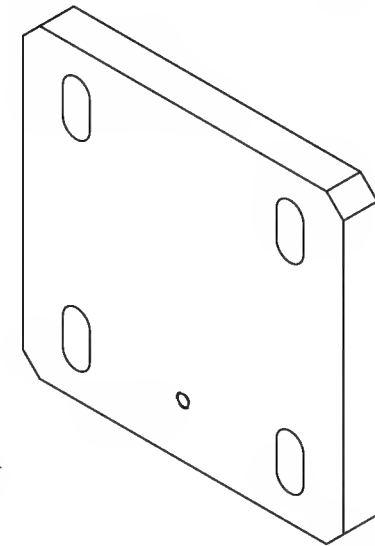
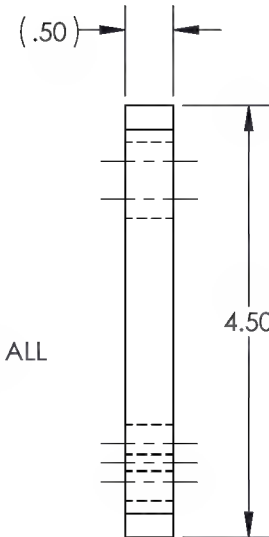
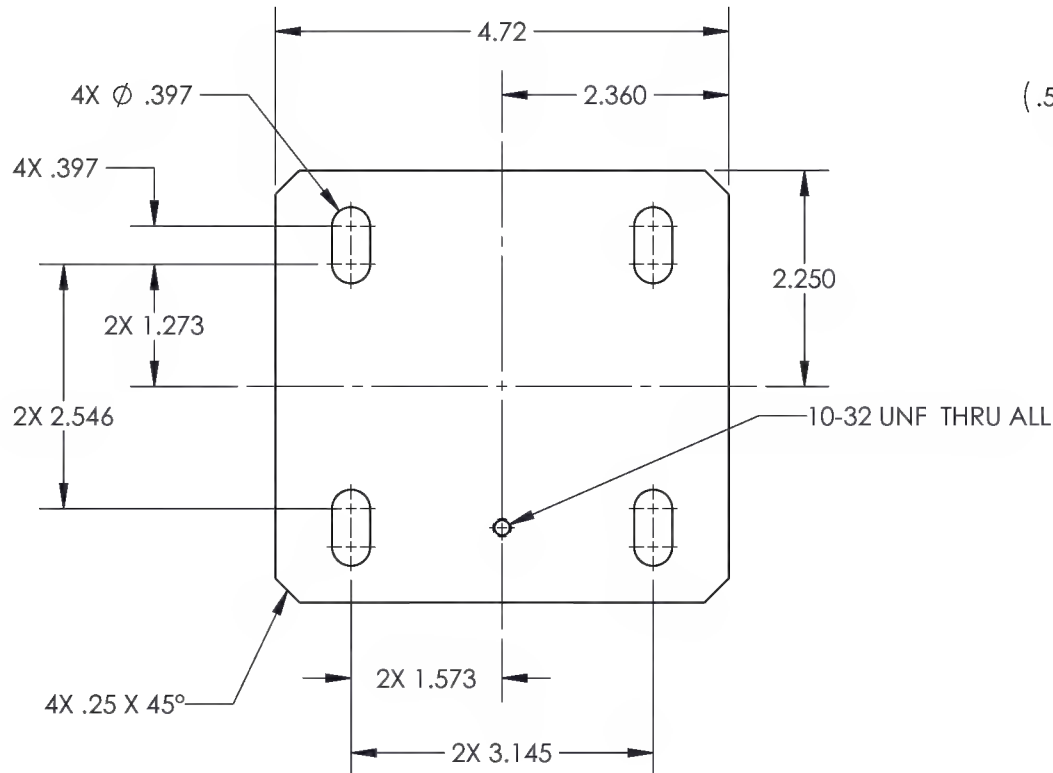
NOTE:

DIMENSION APPLIES AFTER SKIMMING.

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-37
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:2	DATE 2/26/2014
SHEET 22 OF 32	

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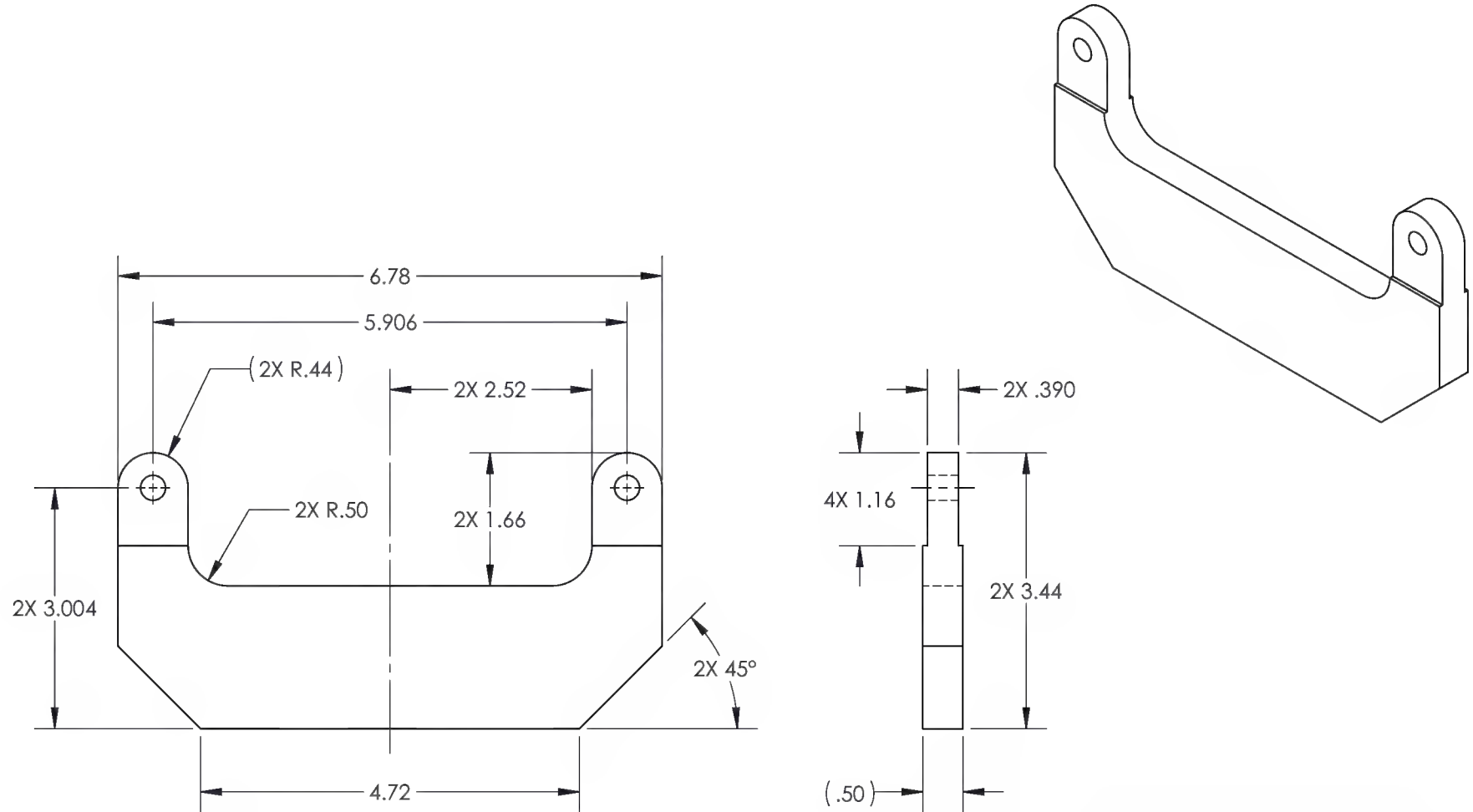
(-39)

FRONT MOUNT PLATE

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-39
MAT'L	A36 P&O
DRAWN BY:	DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -37 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 1:2	DATE 2/24/2014
SHEET 23 OF 32	

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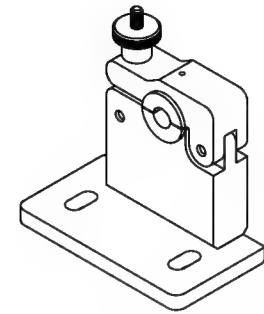
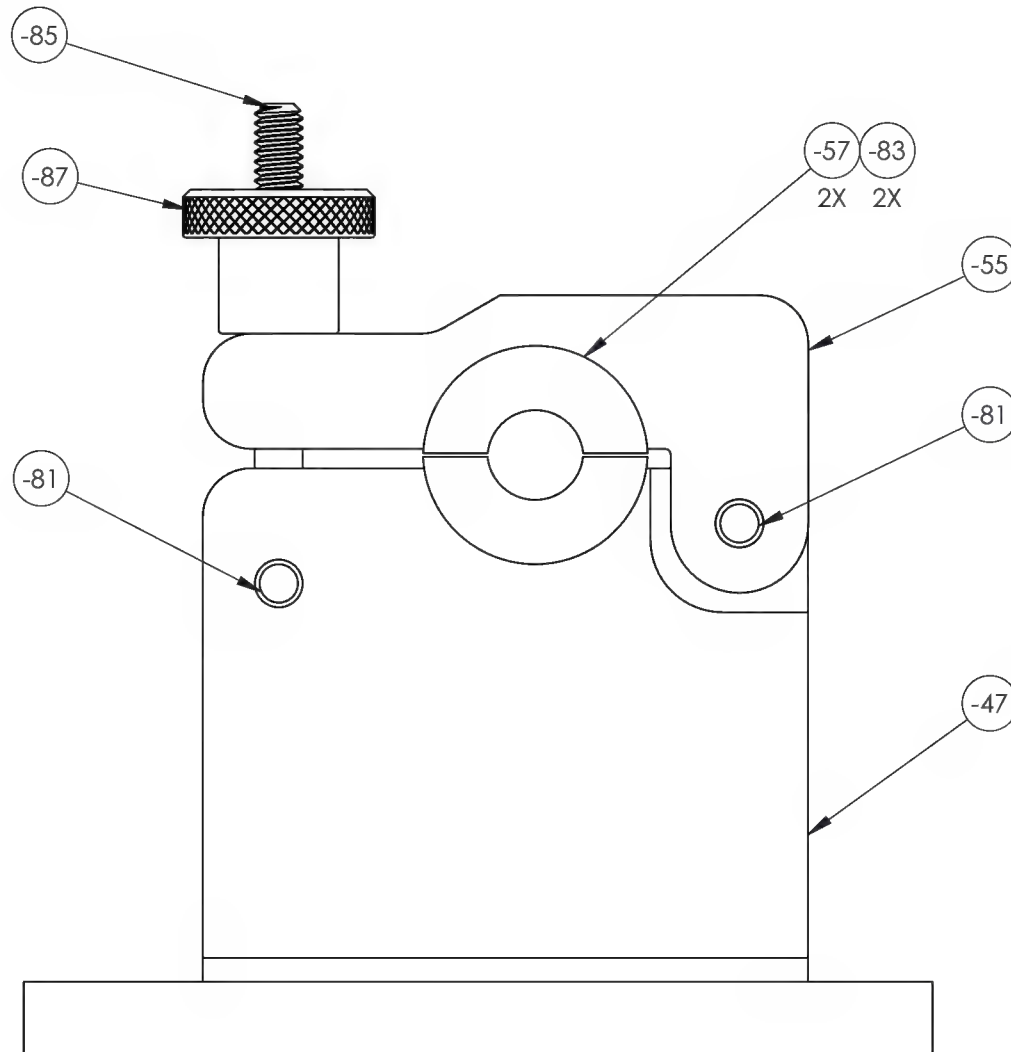
(-41)

MOTOR MOUNT PLATE

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-41
MAT'L	A36 P&O
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/24/2014
SHEET 24 OF 32	

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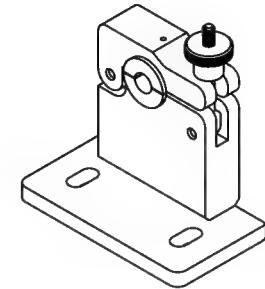
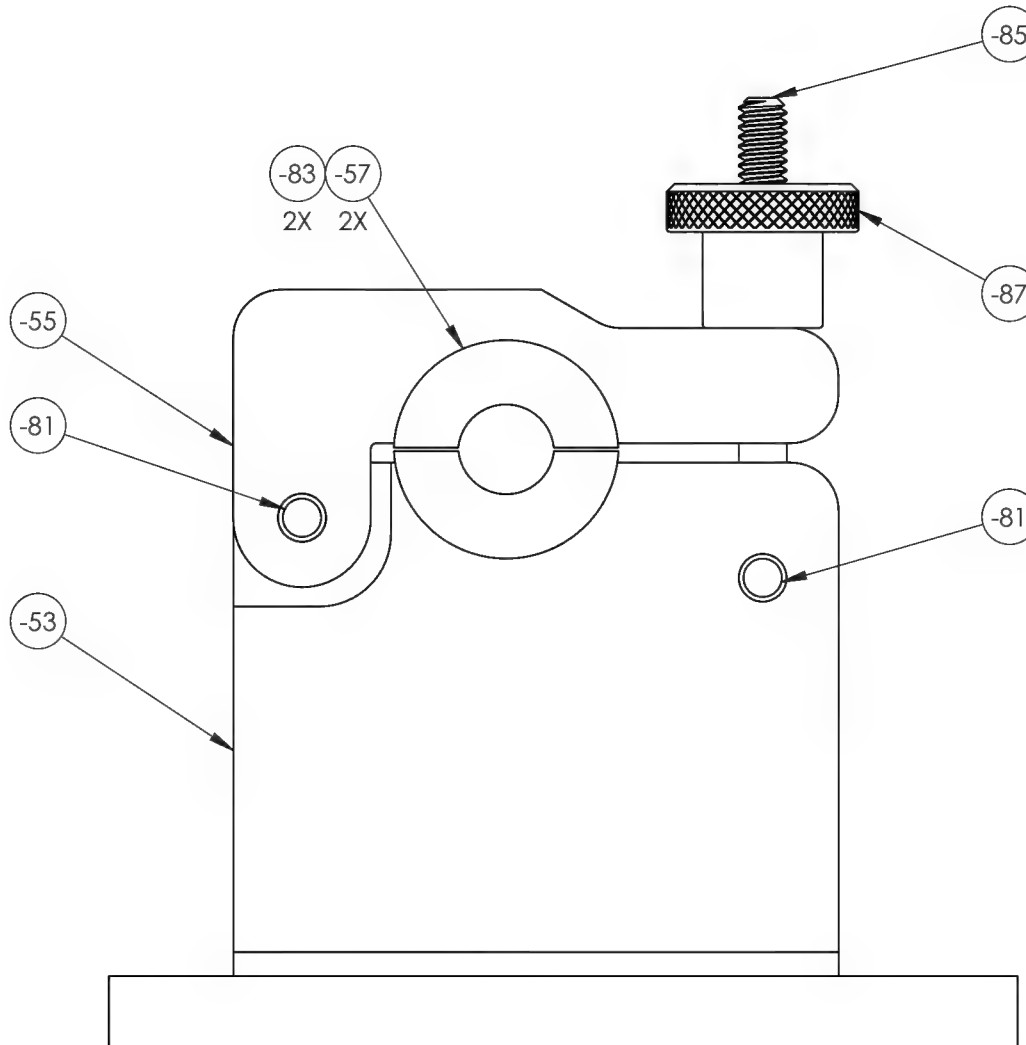
URF 19-998 19.10.26 (VM)

-43
RIGHT REAR MOTOR MOUNT ASSEMBLY

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-43	REV
MAT'L 	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
FRACTIONS ± 1/32	SPEC
ANGLES ± 5°	
1. BREAK ALL SHARP EDGES .015 x 45°	USED ON MODEL
OR .015R	AW109, 119
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 2/27/2014
SHEET 25 OF 32	

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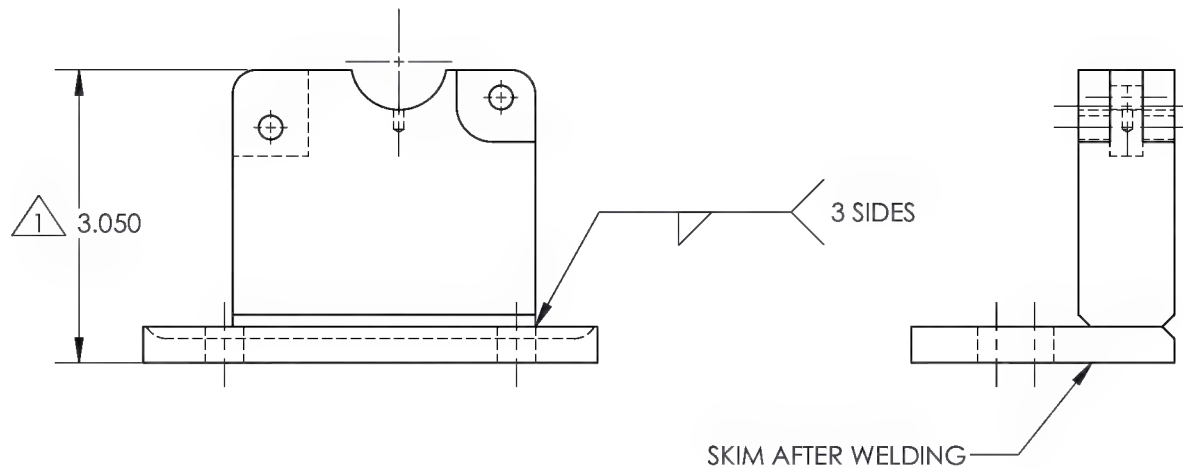
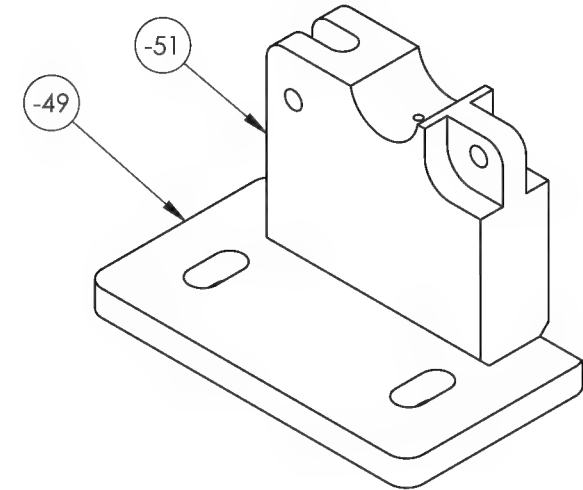
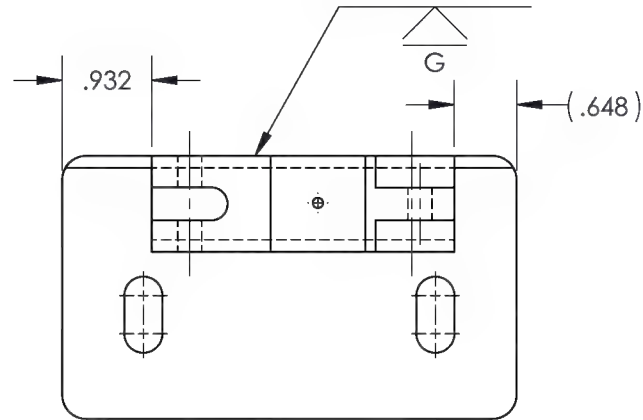
(-45)

LEFT REAR MOTOR MOUNT ASSEMBLY

 RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-45	REV
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	AW109, 119
DATE 2/27/2014	SHEET 26 OF 32

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UNDER REVIEW

URF 19-998 19.10.26 (VM)

NOTE:

1 DIMENSION APPLIES AFTER SKIMMING.

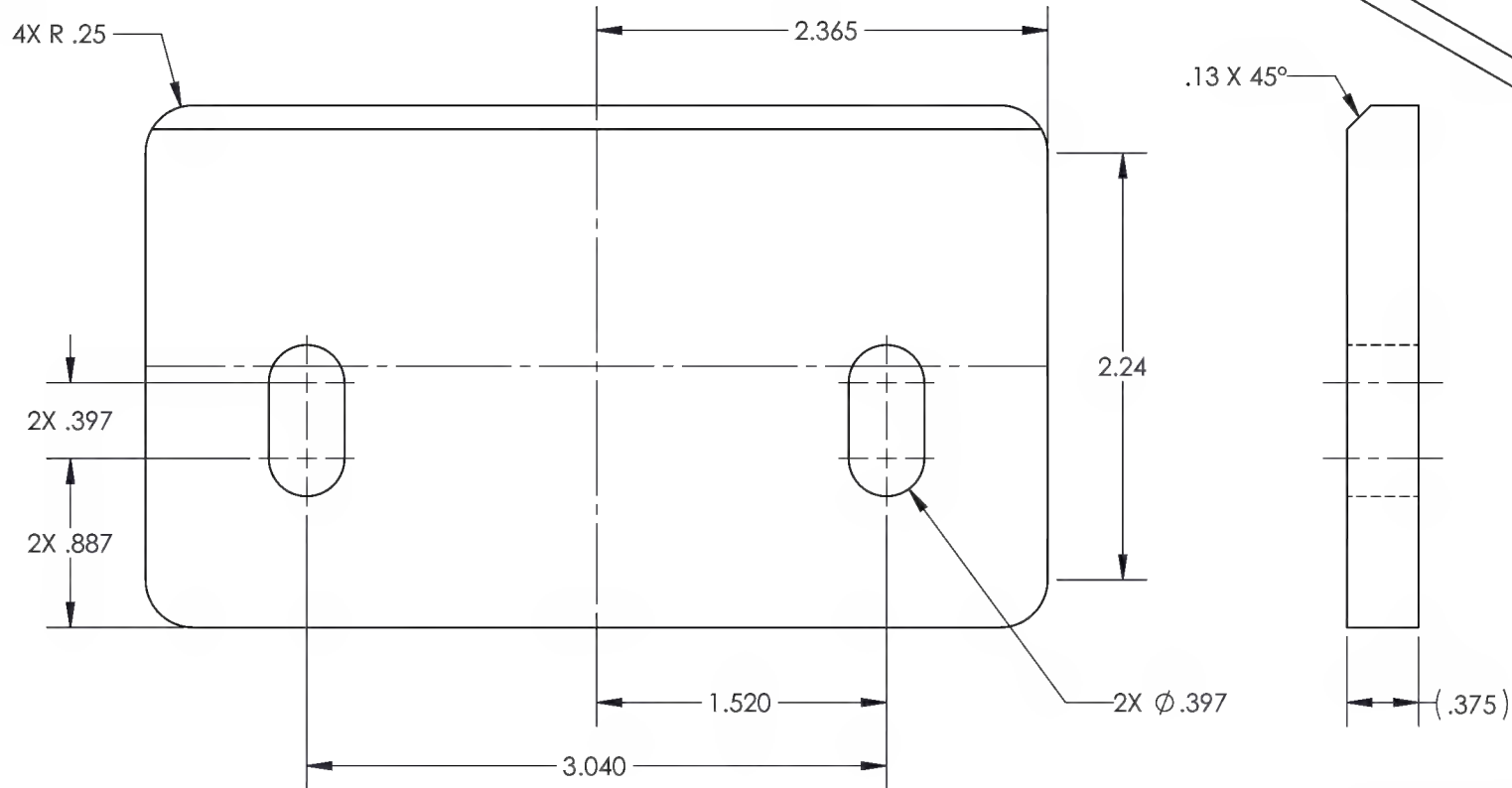
 RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-47
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:2
DATE	2/27/2014
SHEET 27 OF 32	

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RIGHT REAR MOUNT WELDMENT

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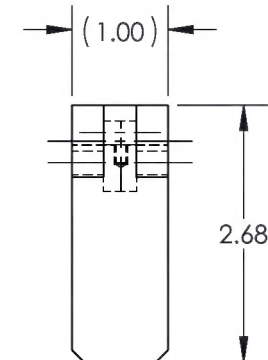
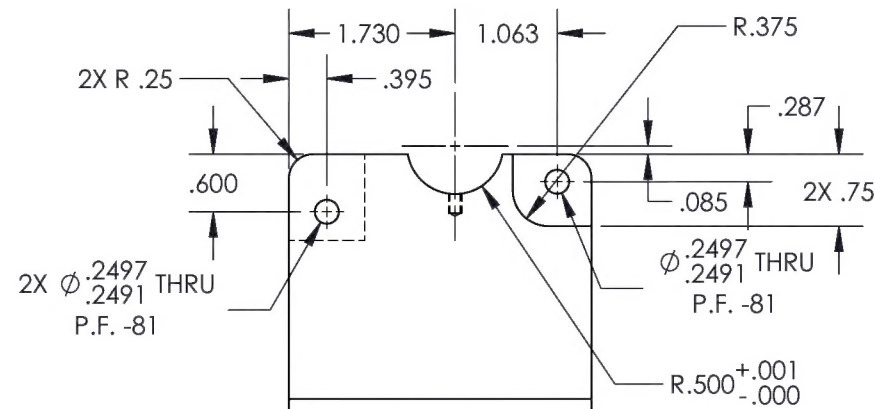
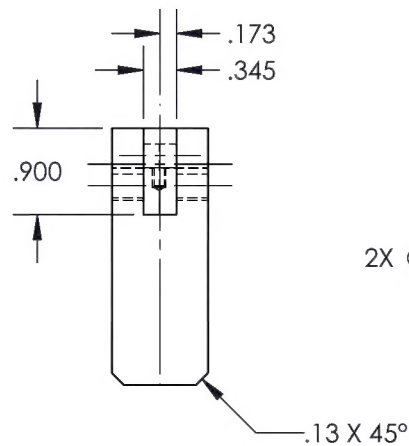
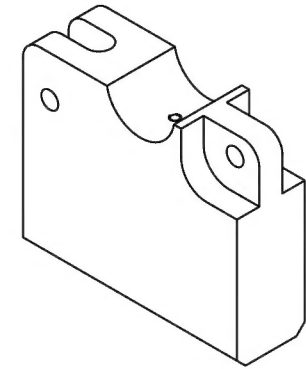
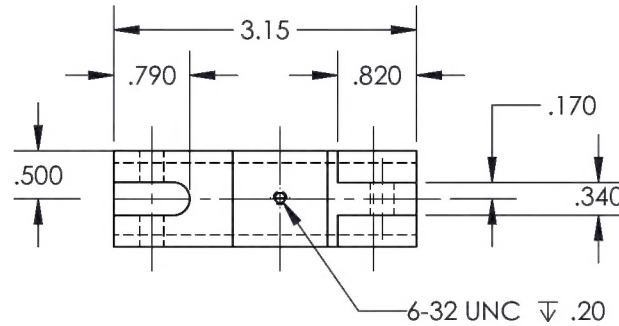
(-49)

REAR MOUNT PLATE

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-49	REV
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -47 & -53 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW109, 119
SCALE 1:1	DATE 2/24/2014
SHEET 28 OF 32	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



UNDER REVIEW

URF 19-998 19.10.26 (VM)

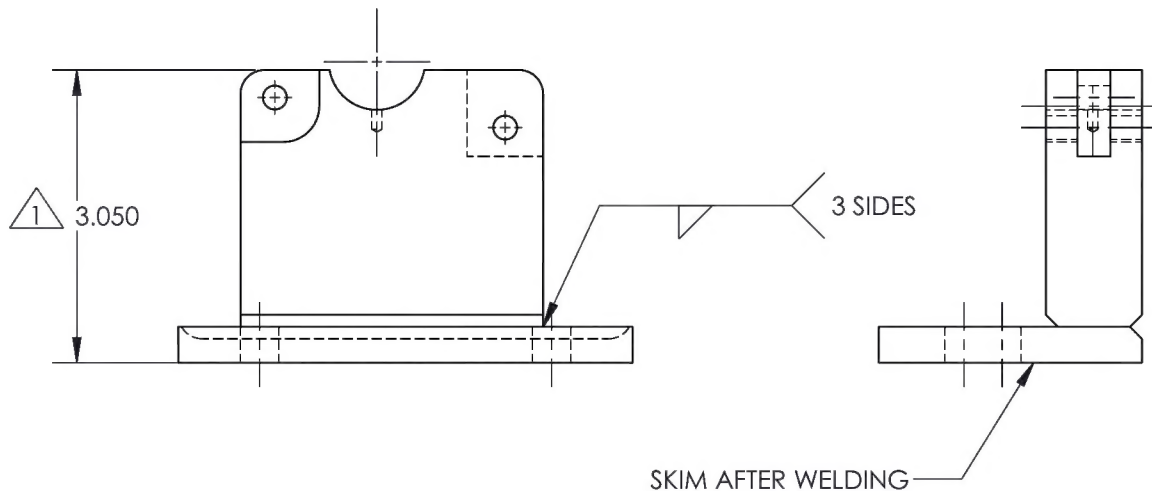
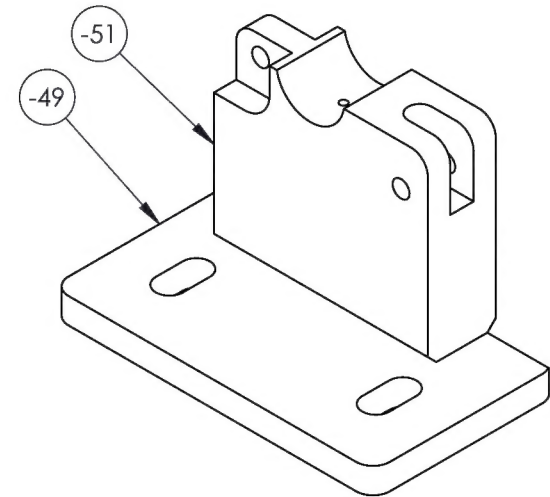
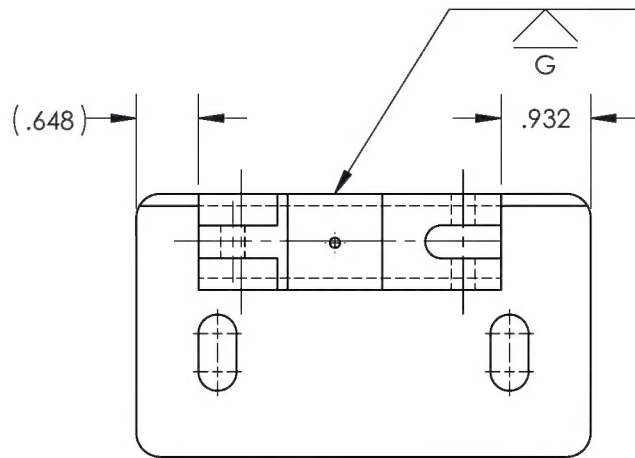
(-51)

REAR MOUNT SADDLE

RED BARN MACHINE	
TITLE ENGINE SUPPORT TROLLEY	
DWG NO. RBW109-3600-35-101-51	REV
MAT'L A36 P&O	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX \pm .005	FRACTIONS \pm 1/32
.XX \pm .01	ANGLES \pm 5°
.X \pm .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH SEE -47 & -53 WELDMENT	
SPEC	
USED ON MODEL AW109, 119	
SCALE 1:2	DATE 2/24/2014
SHEET 29 OF 32	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



NOTE:

1 DIMENSIONS APPLY AFTER SKIMMING.

SKIM AFTER WELDING

UNDER REVIEW

URF 19-998 19.10.26 (VM)

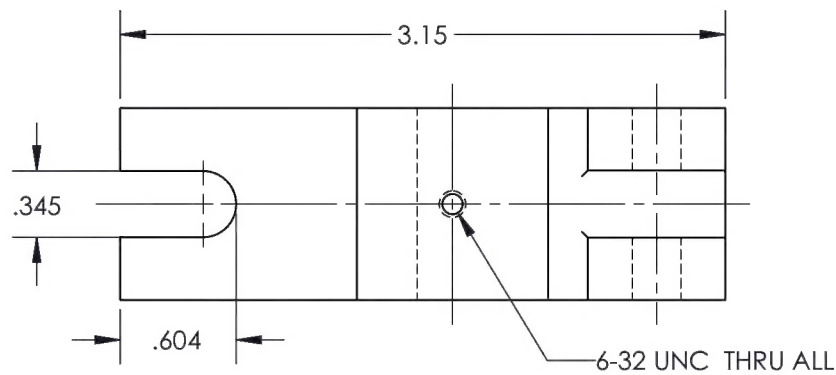
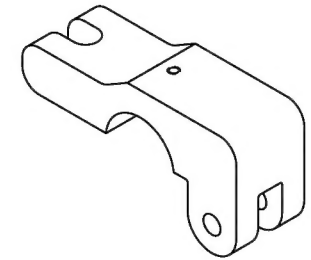
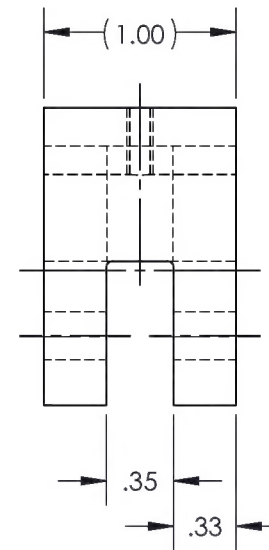
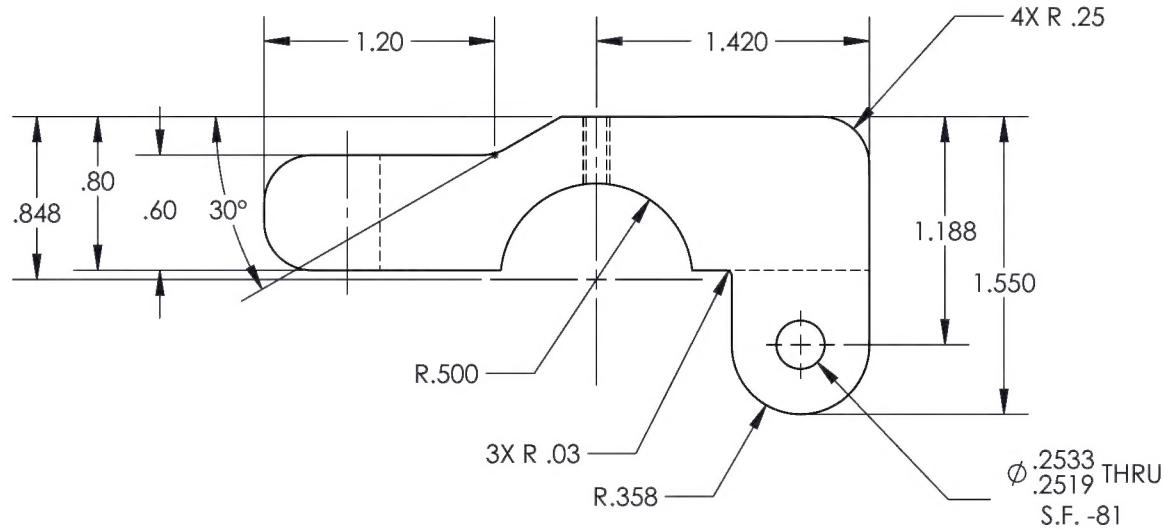
-53

LEFT REAR MOUNT WELDMENT

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	REV
RBW109-3600-35-101-53	
MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	CAD PLATE YELLOW
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC QQ-P-416F, TYPE II, CLASS II
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW109, 119
SCALE 1:2	DATE 2/27/2014
	SHEET 30 OF 32

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



(-55)
REAR MOUNT CAP

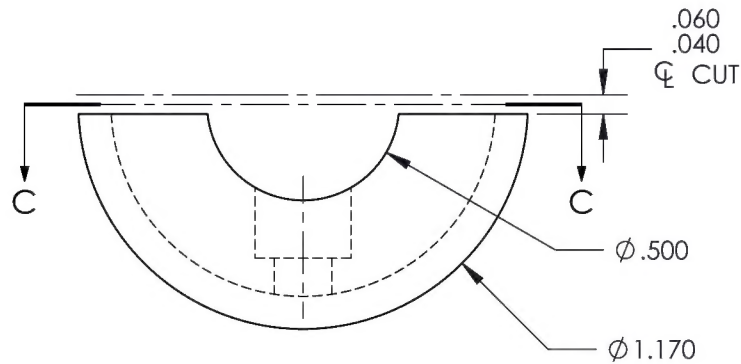
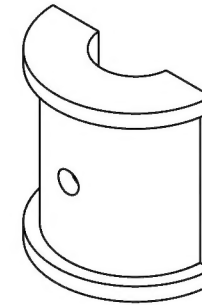
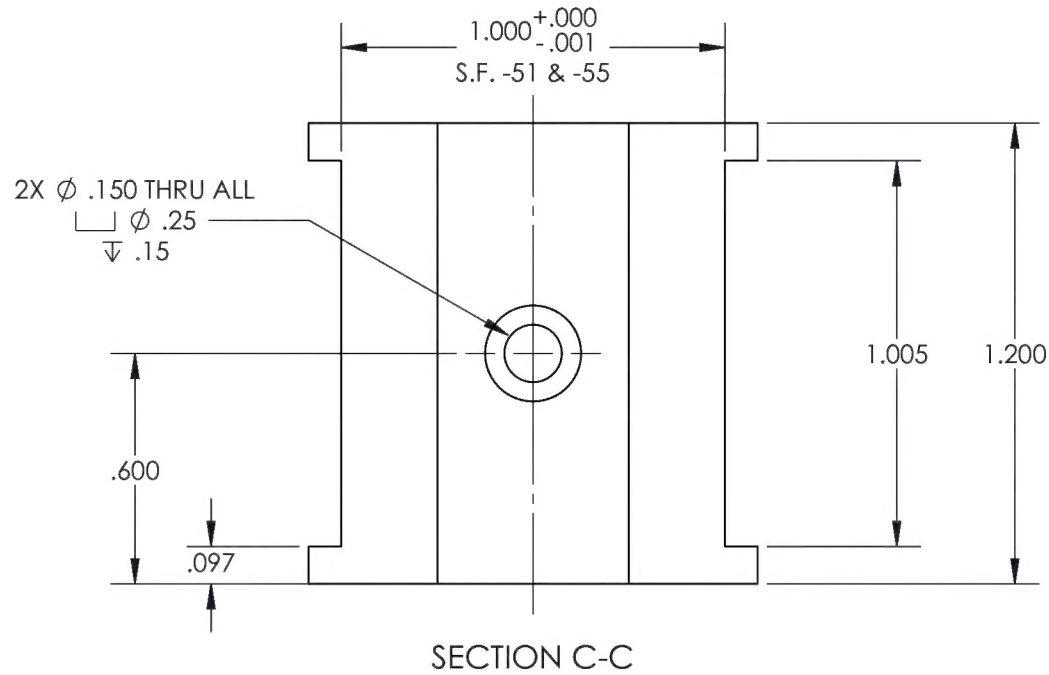
UNDER REVIEW

URF 19-998 19.10.26 (VM)

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-55
MAT'L	A36 P&O
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	1:1
DATE	2/24/2014
SHEET 31 OF 32	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-57)
BUSHING

UNDER REVIEW

URF 19-998 19.10.26 (VM)

RED BARN MACHINE	
ENGINE SUPPORT TROLLEY	
DWG NO.	RBW109-3600-35-101-57
MAT'L	WHITE DELRIN
DRAWN BY:	DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX \pm .005	HEAT TREAT
.XX \pm .01	FINISH
.X \pm .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, 119
SCALE 2:1	DATE 2/24/2014
SHEET 32 OF 32	